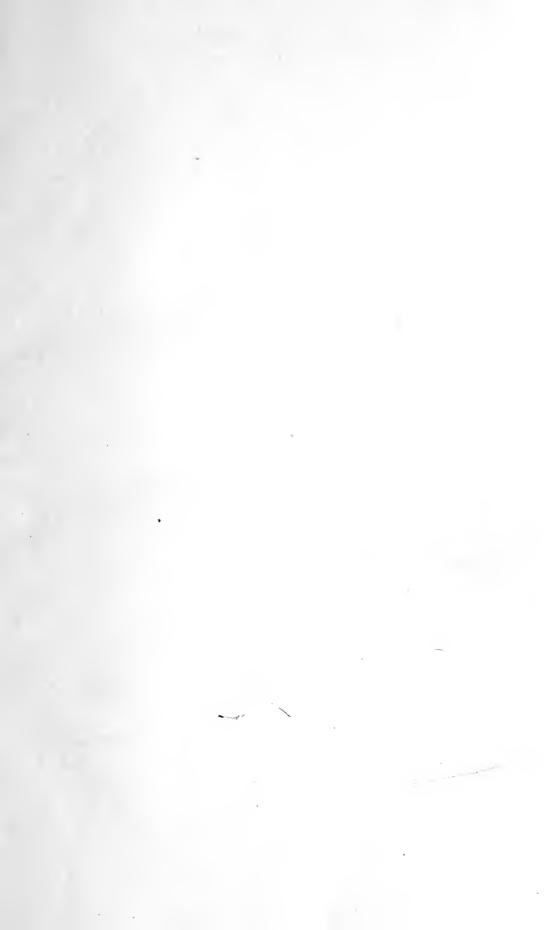
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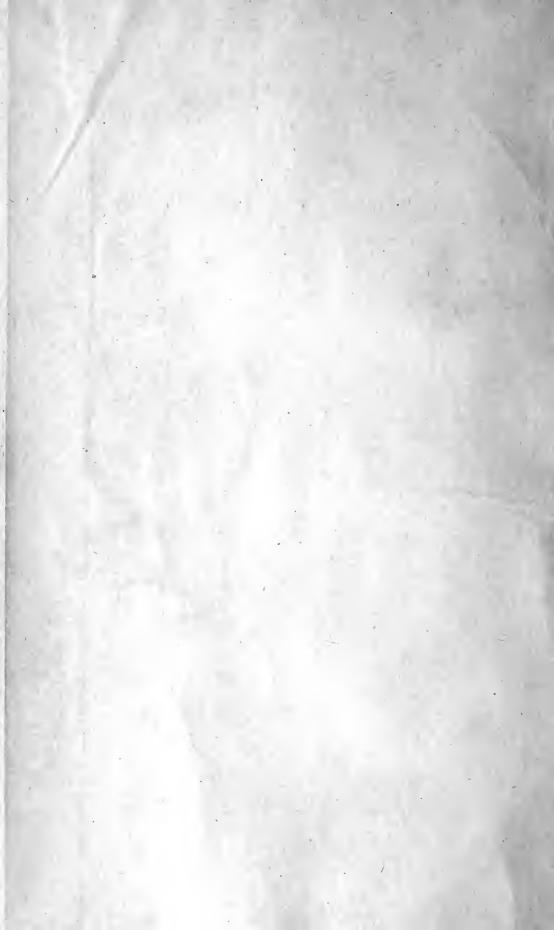
Book . C

1858









A

LIST OF PATENTS

GRANTED BY THE UNITED STATES,

FOR THE

ENCOURAGEMENT OF ARTS AND SCIENCES,

ALPHABETICALLY ARRANGED,

FROM 1790 TO 1828;

[TO BE CONTINUED BY SUPPLEMENTS:]

CONTAINING

THE NAMES OF THE PATENTEES,

THEIR PLACES OF RESIDENCE,

AND THE

DATES OF THEIR PATENTS.

WITH

An Alphabetical List of the Names of Patentees:

ALSO.

THE MODE OF APPLYING FOR A PATENT.

AND

ALL THE ACTS PASSED BY CONGRESS ON THE SUBJECT OF PATENTS:

CITY OF WASHINGTON, D. C. PRINTED AND SOLD BY S. ALFRED ELLIOT.

1828.

District of Columbia, to wit:

BE IT REME BERED, that on the 25th day of July, in the year of our Lord one thousand eight hundred and twenty, and of the Independence of the United States of America the forty-fifth S. ALFRED ELLIDT, of the said District hath deposited in this office the title of a book, the right whereof he claims as proprietor in the words following, to wit: "A List of Patents granted by the United States for the encouragement of arts "and sciences, alphabetically arranged from 1790 to 1820; containing the names of the "Patentees, their places of residence, and the dates of the Patents, with an alphabetical "list of the Patentees: also all the acts passed by Congress on the subject of Patents. D. C. Printed and sold by S. ALFRED ELLIOT.

July 20th, 1820." In conformity to the Act of Congress of the United States, entitled, "An Act for the encouragement of learning, by securing the copies of maps, charts, and books, to the authors and proprietors of such conies during the times therein mentioned:"—and also to the act, entitled "An Act supplementary to an act, entitled, 'An Act for the encouragement of learning, by securing the copies of maps, charts, and books, to the authors and proprietors of such copies during the times therein mentioned, and extending the benefits thereof to the arts of designing, engraving, and etching historical and other

prints."

In testimony whereof, I have hereunto set my hand, and affixed the public seal of my office, the day and year aforesaid. [SHAL]

EDMUND I. LEE, Clerk of the District of Columbia.

ALPHABETICAL LIST

OF ALL

PATENTS AND PATENTEES

ON RECORD IN THE PATENT OFFICE

A

Ashes, pot and pearl. Samuel Hopkins	July 31, 1790
Ashes, pot and pearl, furnace for. Edward Ryan -	April 29, 1793
Ash, pot, improvement in manufacturing. Edward Ryan	Nov. 19, 1796
Ash, pot, manufacturing. William Forbisher	Nov. 17, 1796
Alkali, from marine sait, extracting from kelp. John Nazro	Iuly 6, 1797
Axes, improvement in sharpening. John Shotwell -	March 16, 1799
Air Pump, ventilator for ships	
, for mines, &c. Richard Robotham	Oct. 10, 1801
Antibilious Pills. Thomas H. Rawson	July 24, 1802
Astronomical Quadrant. Matthew C. Groves -	Sept. 3, 1802
Antibilious stomach cordial. Simon Lazarus -	Dec 21, 1802
Apples, machine for paring. Moses Coates, Coatsville, Penn.	Feb. 14, 1803
Antisceptic gas, improvement in the mode of obtaining. Pete	r
De La Bigre, and J. B. M. Picornell	March 24,
Antibilious Pills. Thomas H. Rawson, New London, Conn.	April 4,
Alcohol, improvement in the method of distilling. Lemuel J.	Marine Co.
Hilborn, Freehold, N. York, and Biddis, Philadelphia	June 4, -
Air, or Bellows Pump, for raising water. Daniel M. Miller	March 5,
Auger, improvement. Christopher Hoxie	July 12, 1804
Ashes, mode of manufacturing. Joseph Bellows, jun. and Ebe	en.
White	Dec. 29,
Andirons, improvement in. John Stickney, Baltimore -	May 4, -
Anti-Stream-Boat Wm. Wadsworth, Hartford, Connecticut	July 17, 1806
Artificial Slate, or Tile. Thomas Woodsend	Aug. 7, -
Auger, improvement in. William Hale, Champlain. New York	Feb. 7, 1807
Axle, and box of carriages. Cyrenus Beach, New Jersey -	June 26
Anglet for taking and laying down angles. B. Dearbon, Boston	
Alarm Bell for fire engines. James P Parke, Philadelphia	Dec. 19
Astronomical Time-keeper. Theodore Newell, Sheffield, Mass	
Auger. See Screw. Ezra L'Hommidieu.	3 1, 1000
Apples, machine for pairing. Steph. Cruttenden, Guilford, Conn.	Aug. 25
Auger for mining. Perkin Nichols, Boston	May 18,
Auger. Stetson and M. Selree, Georgetown, Ken.	Dec. 11, -

Dec. 15, 1810

Apples, machine for coring and quartering. Cyrus Gates, Rutland county, Virginia

	Feb. 26, 1811
Air, draught, Subignies. Samuel Randall, Providence -	March 12, -
Air, draught, Subignies. Samuel Randall, Providence - Air flue for a chimney. James Macombes, Greenwich, N. Y.	Nov. 19, -
Air, difference of rarefied and unrarefied. Sam. Morey, Phil.	April 8, 1812
Acids, mode of preparing vegetable. Nath. S. Allison and B.	Hug-
ler, Philadelphia	June 5, -
Asclepias, manufacture the. George Smith, New York	May 28, 1813
Augers. Martin Howe, New York	April 2, 1814
Andirons. Willaby Dexter, Winchester, Connecticut	May 17, -
Alarm Bell. Ben. E. Freymuth, Philadelphia -	Dec, 22, -
Auger. Joseph Brownwell, Otsego, New York -	May 16, 1815
	April 26, 1816
Alternate lift for bricks and mortar. Ben. Dearbon, Boston	June 20, 1816
Auger, single twist screw. Ezra L'Hommedieu, Norwich, Con	
Anvil and hammer; Charles Josselyn, Pembroke, Mass.	Oct. 9,
Alum made from Lignite. Genit Twost, Philadelphia	March 3, 1817
Anti-attrition, compound. Edward Motts, Philadelphia	
Archimedian Screw. Jeremiah Black, North Penn.	Oct. 4, Jan. 17, 1818
Auger to bore rectilinial holes. Cyrus Jackson, Butternuts, N.	
Aromatic Steam Bath. J. Deverin & J. B. Isabelle, Lexington.	
Asiatic Lenitive. Ez. Audler, New York	Oct. 26, Feb. 6, 1819
Anti-friction Bush. James Rudder, Norfolk, Virginia	
Axle, moveable. Geo. N. Reynolds, Charleston, S. C.	April 29, 1819
Auger, tube Robert Thomas, Richmond co. N. C.	May 22, April 4, 1820
Auger, twisted screw. Wm. Holmes, Winchester, N. H. Aqueduct pipes made of marble. Thos. B. Robbins, Stockbrid	
Moss	Manch 10 1907
Anti-dyspeptic Pills. George Smith, New York. Andirons, improvement in. William Pye, New York, Anti-dyspeptic Pills. George Smith, New York. Anti-dyspeptic Pills. George Smith, New York.	Nov 16
Anti-dysenteric medicine. John G. Voight. Rochester, N. Y.	ork Dec 4 -
Anti-dysenteric pills. J. C. M. Brockway, Lyme. Conn.	March 13, 1822
Auger, for boring post holes. Christopher Hoxie, Hudson, N.	Y. July 26, 1824
Apple cutting machine. Andrew Glendening, Loudon co. Va.	Sept. 9
Apples, machine for grating or grinding. Joel Farnham, Tio. N.	Y. June 28, 1825
Auger, improvement in the strap. Silas Gore, Shesequin, Pe	T1 00
	nn. July 20. —
Augers, mode of turning any number. Hardin Branch, N. Yo	nn. July 20, – ork Aug. 7, 1826
Augers, mode of turning any number. Hardin Branch, N. Yo	ork Aug. 7, 1826
Augers, mode of turning any number. Hardin Branch, N. Yo Auger, imp't applied to the. Joseph H. Schreiner, Philad'a	ork Aug. 7, 1826 Aug. 17,
Augers, mode of turning any number. Hardin Branch, N. Yo Auger, imp't applied to the. Joseph H. Schreiner, Philad'a Anthracite coal applied to generating steam. Daniel Colling	Aug. 17, 1826 Aug. 17,
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Augers, mode of turning any number. Hardin Branch, N. Yo Auger, imp't applied to the. Joseph H. Schreiner, Philad'a Anthracite coal applied to generating steam. Daniel Colling James D. Gallup, Wilkesbarre, Pennsylvania - Auger for boring hubs, imp't in the. Sheldon Cadwell, Windham, Connecticut, Andirons, pedestal feet for. Edmund Smylie, New-York, Do.	ork Aug. 7, 1826 Aug. 17, s and Oct. 12, d- Nov. 20, Feb. 1, 1827 Feb. 22,
Augers, mode of turning any number. Hardin Branch, N. Younger, imp't applied to the. Joseph H. Schreiner, Philad'a Anthracite coal applied to generating steam. Daniel Colling James D. Gallup, Wilkesbarre, Pennsylvania - Auger for boring hubs, imp't in the. Sheldon Cadwell, Windham, Connecticut, Andirons, pedestal feet for. Edmund Smylie, New-York, Do. Apples, machine for grinding. H. E. Paine, and S. H. Russe	ork Aug. 7, 1826 Aug. 17, s and Oct. 12, d- Nov. 20, Feb. 1, 1827 Feb. 22, ell, Le-
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Bricks, manufacturing of. Christopher Bolls, New-York -	Jan.	26,	1793
Bricks, manufacturing of. Apollos Kinsley, New-York -	Feb.		
Bells, construction and tone of Robert Leslie, Phil.	Feb.		
Bricks and Pan-tiles, manufacture of. Sam. Brower, New-York		7,	
Boats, Vessels and Carriages, machine for propelling. Abijah Ba	ıb- ·	^	
cock, Ohio	Dec.		1504
	March		
Bellows, construction of. James Drake, New Jersey -	May		_
Bark, grinding of. John Mackley, Penn.	July		1707
Boats, improvement in propelling. Daniel Keller, Penn.	May		
Boats and Vessels, propelling. Wm. Peter Sprangue, Penn.	June	19,	-
Boiler for generating steam. See Steam.	D	00	
Bricks, tempering mortar for and making of. A. Kinsley, N. Y.	Dec.	20,	
Beans, cultivating. See Corn.	Mon	10	1706
Bolting Cloths, improvement in. Robert Dawson, Del.	May	12,	1190
Bolts and round iron, improvement in forging. Clement Rentger	n, Nov	. 11,	-
Boards. See Shingles.			
Boiling. See Cooking.			
Books and paper. See Ruling.	Tan	01	170*
Bridges, improvement in. Charles W. Peale -	Jan.		
Bridges, improvement in. John Fowler	Feb.		
Boats and Vessels, propelling. Jehosaphat Starr -	April		
Bridges, improvement in. John Stickney -	June		made +
Bellows, pendulous, &c. Benjamin Wyncoop	June		thear .
Brick, tiles, &c. improvement in. John Hawkins	July		••
Butter, preserving. Moses Johnson	June		
Bridges, improvement in. Timothy Palmer	Dec.	7,	-
Boats, &c. machine for propelling. John Martin	Nov.		1700
Bread, improvement in making. William Banks	Dec.		
Balloon, Federal. Moses M'Farland	Oct.		
Boat for descending rapid streams. Daniel Keller -	Nov.		1000
Boots and shoos, manufacturing of. Dean Howard	April		
Bricks and tiles, machine for making. George Hadfield	May		
	Oct.		1001
Brewing with Indian corn. Alexander Anderson, Phil.	Jan.	. ,	
Boats to ascend rivers, improvement in. David Grieve -	Feb.		
	March		
Bark for dying, extract of. Samuel Downing, Trenton, N. J.	June		
Beaming machine. Ier. Ladd, Charleston, N. H.	July	11,	4- '
Boxes for carriages, improvement in. Thos. B. Whitlock,	Feb	ດາ	1000
Mount Pleasant, N. J.	Feb.		
	March	11,	
Block making. See Lathe.	Tule	17	
Bricks, machine for making. Ezekiel	July		
Boiling Cistern, improvement in. Timothy Kirk Boat, insubmersible. Ab. Du Buc Marentille	Dec.		-
Rollar for accolorating the evaporation of liquids I Muffet	Fob	۷۵,	1000
Boiler for accelerating the evaporation of liquids. J. Muffot Brandy, mode of making from all kinds of grain or fruit. Chris		1,	1009
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topher J. Hutter	Feb.	11,	
Boats, improvement in building. William Hopkins, Norfolk, co		19	
Virginia	May	13,	
Bellows for a furnace or forge, improvement in working. Joh		05	
Godfrey	May	25,	
, , , , , , , , , , , , , , , , , , , ,	T.	P7	1001
Bedwell and Wm. Mitchell	June		1000
Breaking and carding. See Wool.	June	20,	-
Boring holes in rocks under water, machine for. John Baptist		04	
Aveilhe	Aug.	24,	all th
Boilers, improvement in; also working stills with the same. Wm		00	
Thornton, Washington city, D. C.	Oct.		-
Bellows pump, dry. Enoch Alden	Nov.	10,	et e

Brick and Tile, machine for making by cutting the morta Miller and Philip W. Miller	
Bedstead, improvement in. Ward Gilman and W. Jacks	- June 5, 1804 son March 19, -
Buttons, improvement in manufacturing. George W. Rol Providence, Rhode Island	- March 19
Breaking and cleansing flax and hemp, machine for. O. R. Baltimore	oberts, - April 12, -
Bell, sheep. See Cow or Sheep.	11pin 12,
Black oak bark. See Quereitron. Boring gun barrels, machine for. Nathan Forbes, Providence of the Pro	
Rhode Island Bilious cordial, medicinal. Sam. Chamberlaine -	Dec. 31, — Dec. 31, —
Beaming machine. Allen Hill, Hinsdale, Mass.	May 6, 1805
Bark mill. Thomas W. Pryor, Philadelphia - Brick, apparatus for. See <i>Tiles</i> .	- May 21 -
Boiling, method of, for distilling, &c. — Eggleston,	Prince-
town, Albany, N. Y.	May 27,
Boilers, mode of setting. Eben Jenks, Portland, Maine	- June 1
Bellows boards, machine for plaining and sawing. John H	Iinman,
New Haven, Conn.	- June 1,
Bolts, mode of casting for ships. Joseph Share, Baltimor Balance pendulum lock. See Lock.	e Oct 28, -
Bridges, improvement in. Theodore Burr	Fab 14 100G
Brick, machine for making John F. Gould	- Feb. 14, 1806 March 1, -
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Boxes for carriage wheels. James Gridley, Boston -	May 26, -
Boxes for carriage wheels, Levi Brown, Berkshire, Mass.	May 30, -
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Boots and shoes, improvement in. John Bedford, Philade	
Brads, machine for cutting. Jonathan Ellis Bottoms for boots and shoes, of metal. Sam. Milliken, Le ton, Mass.	
Boots and shoes, improvement in making. W. Montgon	Feb. 10, -
Philadelphia	Feb. 11,
Butter, mode of making. B. G. and G. Burtis, New York	
Bark, mode of applying for hats, &c. Sylvester G. Whipp lowell, Mass.	A
Bridges, mode of construction. Thomas Pope, New York	April 18,
Bark, machine for grinding. Corns. Toby, Hudson, N. Y.	May 7,
Box, for carriages. See Axle.	J
Boots and shoes, mode of making. Eli Barnum, Mass.	
Boats, mode of propelling. Philemon Heaton, Mark B. Bo Philemon Heaton	ys, and
Boats, etc See Impelling.	
Boring. See Pressing.	
Brick, mode of making. Asa Frost, Cazenovia, N. Y.	
Balls and shot made by pressure. Thos. Bruff, Washingto	
Boots and shoes. Sam. Chamberlain, Boston	,
Boiler, for distilling double. Amos Gunn, New Haven, C	
Bellows. Henry Dotterer, Philadelphia Bene oil. William Few, New York	- Feb. 16, 1809 - March 1,
Bow string, for hatters. Daniel Nicholls, New Milford, C	
Boxes, mode of boring for axle trees. A. Brood, Salish	
Connecticut	June 14,
Boiler. See Worm. James Trueman	- June 24,
Boiler and heater. Samuel Bolton, Philadelphia	- July 7,
Barbal Alkahest, or Magic Lotion. John Hopkins, Phil.	
Boxes, mould for running. Samuel Smith, Amherst, Mas Brick and tiles, machine for making. John F. Gould, Ne	s. Oct. 17, - wburv-
port, Mass	- Oct. 17, 1709
Barilla, mode of manufacturing. George Easterly, Richmon	

Bridges, construction of. Joseph Joshua Dyster, Phil.	Feb.	23,	1810
Boxes for carriages. Leonard Farwell, Lancaster, Mass M	arch		
Bridges, construction of. John Templeman, Georgetown, D. C. M		6,	
	arch	8,	
	larch		
	April		
Boxes for wheel carriages. John Nicholson, Herkimer, N. Y.	Mon	20,	
Boring machine. John Webster, Barrington, Mass Bellows, elastic piston. Henry Dotterer, Philadelphia -	May	1,	
Bilious pills, Lee's Windham. Samuel Lee, New London, Conn.			
Balance scale. Russell H. Wright, Boston -	June		
Breaking horses and cattle. David Cooly, Orange co. N. Y.	June		
Boat and ship building. Wm. Phoebus, New York	June		
Bolts, rolling iron round for ships. Clement Rentgen, West Ches-		~1,	
ter, Pennsylvania	June	27.	
Boat, flat-bottomed with moveable keel. S. Buel, Burlington,	• ano	~,,	
Vermont	June	7.	-
Brick, mode of making. Joseph B. Harris, Philadelphia -	Aug.		
Brick and tiles, making. Daniel French, New York -	Aug.	22.	
Boiler, improvement in the. Wm. Eaton, Baltimore	Oct.	29.	
Boiler and steam still. Borden Wilbor and Timothy Soper, Wash]=	,,,	
ington, N. Y.	Feb.	4.	1811
	larch		
Boots, mode of forming cossacks. John Morgan, Philadelphia,			
Brick, mode of manufacturing. James Gregg, New Hampshire	May	7,	
Bolts, machine for cutting off the ends of. John Rewey, Berk	ζ-	,	
shire, N. Y	July	8,	d1.5a
Balance bridge. Jonathan Jessup, York Town, Penn.	July	2,	
Bellows, forge. Charles M. Murtry, New Marlborough, Mass.	July		
Boot and shoe making. S. Hitchcomb and J. Bement, Homer	·,	,	
New York	June	30,	
Boilers, circular. John Sizer, New London, Conn.	Oct.	15,	
Boot lays, manufactory of. John Vernon, Baltimore			
Boxes. See Metallic. Lebbeus Larrebee.			
Boats, &c. constructing. Francis Rotch, New Bedford, Mass.	Nov.	29,	**
Bee-hives, constructing. Timothy Stanley, Farmington, Conn.	Jan.	6,	
Bedstead, improved easy draught. Peter Tilton Walcot, Monmouth			
New Jersey Boot-legs, machine for cramping. N. L. Moore, Smithfield	Jan.	6,	1812
	Feb.	4,	-
Boots and shoes, machine for making. Elijah Thayer, Leicester	Feb.	14,	-
	r, larch	1.4	
- 11 11 V 14 T 11 T 11 T			
Boring machine. Nath. Gillett and John Smith, Cazenovia, N. Y.	April	١,	
Bridges, construction of. Benjamin Conner, Portsmouth, N. H.	April	93	
Blankets, wool made into. Elkanah Cobb, Georgetown, D. C.	April	20,	
Boring machine. David Sperry, Colchester, New London,	upin	20,	
Connecticut	May	19	
Buttons, moulds for casting. G. W. Robinson, New Haven,	may	12,	'
Connecticut	May	14	
Boots and shoes, with pegs, &c. R W. Richards, Norwalk, Conn	. May	23	
	June		
Boiler, stone, for sulphur. Ab. H. Quincy, Boston, Mass.	June		
Boats, chain wheels and paddles for. Robert R. Livingston, Cler	r-	,	
mont, New York	June	13.	'
Boots and shoes, elastic hair. Wm. Francis, Boston -	June		-
Boot, mathematical. Wm. J. Crease and J. Morgan, Phil.	July		-
Book-binding. John T. Sullivan, Philadelphia	July		-
Boats and vessels, constructing. Francis Rotch, Philadelphia,	Aug.	′	
Redies of carriages Honny Dimlon Cooperatory D. C.		~~	

Boots, &c. iron bound. Ephraim Twomley, Norway, Mass. Book-binding, Robert De Silver, Philadelphia - Sept. 14 Box boiler. John Morris, N. Haven, Conn. Oct.	,
Bedsteads. John Redman Cox, Philadelphia - Oct. 1	6
Bridles. Robert Smether, Orange Co. Va Dec. 10	b, ·
Boring rocks. John Sanford, Sharon, Conn Dec. 16	
Bread, machine for making. Jehosaphat Starr, Middleton,),
Connecticut In	3, 1813
Bread, machine for making. George Richards, Manlius, N. Y. Feb.	3, 1010
Boiling See Distilling. John Morris, New Haven, Conn.	,
Bullets and shot by pressure. Thomas Bruff, Washington city June	1
Bathing machine. Henry Chevens, New York July 1	
Bleaching cotton by steam. Alexander Milnerand Dan S. Deane	,
Clinton, N. Y.	1
Bark-mill. Caleb Churchman and George Martlin, jr. Upper Chi-	.,.
chester, Penn July 16	3,
Bathing vessel. Dan. Harrington, Centreville, Penn Oct.	
Boiler, cylindrical. Philo M. Hackley, Hudson, N. Y Oct. 9	
Boiler and steam still. Timothy Soper, jr. and Charles Reynolds,	
Hartford, Conn Dec.	2,
Boat, the rapid. Fred. W. Guissenhainer, New York - Jan. 1-	1 1814
Bath, warm and cold. Sam. K. Jennings, Lynchburg, Va. Jan. 21	
Bathing machine. Wm. Merrit, New York - Feb.	,
Boats, propelling. Moses Rogers, New York - Feb. 9	******
Boring guns and pistols. Daniel Pettibone, Philadelphia Feb. 12	
Boring guns and pistols. Daniel Pettibone, Philadelphia Feb. 12 Butter, making bad good. Zina Phinney, Green co. N. Y. March	, 100
Black lead pencils. Christopher Osgood, Salem, Mass March 26	
Bark mills. Jared Olds Mariden, New Haven, Conn April 18	
Bark mills. Jared Olds Mariden, New Haven, Conn. Brick and tile, pressing. Ben. Porter, Salem, Mass. - May 18	,
Balancing wheels, mode of. John Andrews, Litchfield, N. Y. May 27	,
Boring machine. Richard Deering May 28	},
Buff, or polishing wheel. Aaron Broad, Litchfield, Conn June (, -
Bayonet socket. Andrew Wilson, New York June 17 Boilers. Gabriel N. Philips, Goshen, N. Y June 28	,
Boilers. Gabriel N. Philips, Goshen, N. Y June 28	
Brandy, imitating. Henry Moore, Aurora, N. Y July 2	,
Block, head. Joseph Briggs, Schoharie, N. Y July 9	
Bucket for sap. Jeremiah Purdy, Cherburn, Chenango, N. Y. Oct. 3	
Boiling. Caleb Shepard, Cincinnatus, N. Y Oct. 4	,
Boiler. Lemuel M. Richards, Cazenovia, N. Y March 30	
Button moulds. John B. Collins, Meriden, Conn April 12	
Do. of wood. Anson Matthews, Southington, Conn April 26	
Bank notes, printing on the back. John Kneas, Philadelphia April 28	
Bark mills. Luther Gale, Lenox, Mass May 16	
Box boot, open back spring. Wm. Atchison, New York - May 23	
Boat, propelling. Gabriel Manny, Montgomery, N. Y June 8	
Boat, rocking or lever. Bennet Lees, New York - June 20	
Brads, for cutting. Seth Boyden, Boston, Mass June 27	,
Buttons, rounding the edges, &c. Ira Ives, Bristol, Conn Aug. 7	
Do. construction of the eye. Do. do. do Aug. 7 Do. setting the eyes of. Do. do. do Aug. 7	
Do. setting the eyes of. Do. do. do Aug. 7 Bowing wool for hatters. Edward C. Griffing, Lyme, Conn. Aug. 10	
Buttons, wire necked. Heman Mathews, Southington, Conn. Sept. 12	
Blankets, improvement on machine for making. J. Getzendan-	,
ner, Frederick co Md Sept. 30	
Bark, machine for grinding. David Pelton, Lyme, New Haven, Sept. 30	
Bark, machine for shaving. Wm. and John Goodwin, jun. Leba-	,
non county Oct. 16	m for
Boilers, for making salt. Isaac W. Averille, Salino, N. Y Nov. 5,	
Boilers, for steam. Royal Yeamans, Baltimore - Jan. 9,	
Do. do. finishing. Royal Yeamans, Baltimore, - Sept. 12,	
Boile and furnace united. Philo M. Hackley, New York - Jan. 22,	

Buttons, wire-necked, finishing. H. Mathews, Southington,		•
Connecticut Sept.	12,	1815
Biscuit making. Wm. Liddle, New Orleans Sept.		-
Beef cutter. Ben. Meeker, Brooklyn, N. Y Oct.		
Boots and shoes, cutting. Joshua Hall, Fredericktown, Md. Dec.		
Boats, to be worked by quadrupeds. David Porter, Washington, Feb	8	
Bridges, frame. George Tabb, Martinsburg, Va Feb.	23	
Boots and shoes, furred. Samuel Eells. Conn Feb.		300
20010 dila circot, rational California, comme	~4,	-
Buttons, composition for wire-eyed. S. H. Woodruff and A Ma-	1	
thews, Connecticut March	'	1010
		1816
Doing oping.	1 23,	
Boxes and axle trees, for carts, etc. Wm. Bachelor, N. Y. May		
Breweries, machine for washing. Leonard Beatty May Blocks, casting the sheaves of. Henry Worall, New York June	17,	
	12,	
Button moulds, polishing wooden. J. Norton, Southington,		
Connecticut June	13,	
	. 24,	-
Bank notes, to prevent forgery of. A. Brewster, Hartford,		
Conn July	15,	
	y 18,	
Beating, bruising, machine for. See Cutting. Adam Britz,	, 10,	
Philadelphia [10]. See Cutting. Adam 11112,	18,	
	. 12,	
, , , , , , , , , , , , , , , , , , , ,	'	
3, 1, 1, 1,	. 12,	
	. 26,	
Bells, moulding and casting. Ben. Hanks, Albany, N. Y Nov		-
Boiler. Humphrey Ricketson, New-York - Dec	. 13,	
Bellows, wooden. Ben. and John Tyler, Claremont, N. H. Fet	. 1,	1817
Boiler for steam engines. Samuel Morey, Orford, N. H Marc.	h 13,	4000
Brick-making, &c. machine for. William Mitchell, Rich-		
mond, Va Marc	h 26,	
Building bridges. Theodore Burr, Burr Haven, Dauphin co.	s- "	
	1 3,	
Boot cleaning machine. Israel Pinkney, New-York - April	1 16,	
Bench, work. Baruch Way, Ontario co. N. Y.	e 7,	
Balance, improvement on Dearborn's. S. A. Rogers, Geneva,		
	y 31,	
	. 22,	
Bleaching cotton and linen. John Kendall, Leominster, Mass. Aug	22	
	11,	
	i. 3,	
Ball stocks for printers. John Babcock, New Haven, Conn. Marc		
Bellows, Smiths'. Alanson Holmes Marc	u 20,	
Bricks, mode of making. Wm. Mitchell, Spring Hill, near	00	
Richmond Ma	y 28,	
Butter, making. Isaac Shepperd, Meredith, Stafford co. N. H. Ma	y 28,	
Boots and shoes, nailing the sole to the upper leather, John		
Bedford, Phil Jun		
Bent wood handle and socket. Simeon Stedman, Hartford, Con. Jul		
	y 25,	
Book-binding, improvement in. John Meer, Phil Aug		
	y 25,	
Blocks, sheaves for. Nathan. H. Lewis, N. Y Aug	y 25, ;. 26,	
Blocks, sheaves for. Nathan. H. Lewis, N. Y Aug Bleaching linen, &c. improvement in. J. G. Kentzel, Hatfield,	y 25, ;. 26, ;. 26,	
Blocks, sheaves for. Nathan. H. Lewis, N. Y. Bleaching linen, &c. improvement in. J. G. Kentzel, Hatfield, Penn. Oer	y 25, ; 26, ; 26, t. 8,	
Blocks, sheaves for. Nathan. H. Lewis, N. Y. Bleaching linen, &c. improvement in. J. G. Kentzel, Hatfield, Penn. Penn. Oct Breaking flax, machine for. David Melville, Providence, R. I. Nov	y 25, ; 26, ; 26, t. 8, y. 18,	
Blocks, sheaves for. Nathan. H. Lewis, N. Y. Bleaching linen, &c. improvement in. J. G. Kentzel, Hatfield, Penn. Breaking flax, machine for. David Melville, Providence, R. I. Nov. Boiler, treble steam. Sam. Morey, Orford, New Hampshire	y 25, ;. 26, ;. 26, t. 8, y. 18, y. 19,	
Blocks, sheaves for. Nathan. H. Lewis, N. Y. Bleaching linen, &c. improvement in. J. G. Kentzel, Hatfield, Penn. Breaking flax, machine for. David Melville, Providence, R. I. Nov. Boiler, treble steam. Sam. Morey, Orford, New Hampshire Boiler, improvement on. John L. Sullivan, Boston Dec	y 25, ; 26, ; 26, t. 8, v. 18, t. 19, t. 29,	
Blocks, sheaves for. Nathan. H. Lewis, N. Y. Bleaching linen, &c. improvement in. J. G. Kentzel, Hatfield, Penn. Breaking flax, machine for. David Melville, Providence, R. I. Nov. Boiler, treble steam. Sam. Morey, Orford, New Hampshire Boiler, improvement on. John L. Sullivan, Boston Bridges, building. Naphtali Bishop, Barre, Vermont Jan	y 25, ; 26, ; 26, ; 18, ; 19, ; 29, i 11,	1819
Blocks, sheaves for. Nathan. H. Lewis, N. Y. Bleaching linen, &c. improvement in. J. G. Kentzel, Hatfield, Penn. Breaking flax, machine for. David Melville, Providence, R. I. Nov. Boiler, treble steam. Sam. Morey, Orford, New Hampshire Boiler, improvement on. John L. Sullivan, Boston Bridges, building. Naphtali Bishop, Barre, Vermont Jan	y 25, ; 26, ; 26, t. 8, v. 18, t. 19, t. 29,	1819

Building houses against fire. Joseph Hadley, Morristown, Or-	- 3	
leans county, Va Feb.	3,	1819
Bush. See Antifriction. James Rudder - Feb.		
Boiler, stove. Thomas E. Barker, Green county, N. Y Feb.	19.	***
Boiler for distilleries, &c. T. Pierce, Hartwick, Otsego co. N. Y. Feb.	27,	
Blasting rocks. Benoni Kinyon, Hillsdale, Columbia co. N. Y. March	15,	-
Balance, improvement on his. Benjamin Dearborn, Boston March	24,	400
Boats, propelling. James Lyon, Statesburgh, S. C April		1010
Brick making machine. Adam Stewart, Baltimore - April	8,	-
Brewing, improvement in. Arthur Redmond, Nashville, Ten-	00	
nessee May		thus
Balls and shot, mode of casting. Daniel Pettibone, Phil. Nov. Boring holes in posts, machine for. James Corbett, West Hano-	10,	
ver, Pennsylvania Dec.	01	1819
Brushes made of broom corn. B. Byberry, Philadelphia, Penn. Dec.	91,	1013
		1820
Bread, improvement in making Ephraim Treadwell, Phil Jan	10,	
Boats, improvement in the mode of geering for propelling.	10,	
Daniel French and Fling Bliss, Cincinnati, Ohio - Jan	22,	-
Bridges, improvement in Ithiel Town, Fayetteville, N C Jan'		-
Boiling salt, improvement in Osborn Parsons, Pittsburg, Penn April	4,	-
Bridges, improvement in wooden acqueduct M Lewis, Che-		
nango, New York April	-	
Brewing by steam. Harvey Hackley, New York - April	21,	
Boiler, water and steam still Stephen Stillwell, Bainbridge,		
New York June	14,	
Boats, mode of passing up rapids, &c Lemuel Thwing, Ded-	10	
ham, Massachusetts Aug Boot and shoemaker's workstand William A and N Kelly,	12,	
Littleton Massachusetts Oct	13,	
Bark, &c machine for breaking Nathan Sear, Hudson, N Y Oct Bee-hive, improvement in the Edward Blake, Hartford, Me Nov	13,	
Bee-hive, improvement in the Edward Blake, Hartford, Me Nov		Pin
Book-binding, improvement in bands for D K Van Vechton,	,	
New York Dec	12,	-
Boats made of metal Thomas J Bond, Baltimore - Dec	21,	
Boots and shoes, cutting by rule Simeon Hart, Monckton, Vt Mar	_3,	1821
Bridle for stopping horses Peter Sathrop, Louisa county, Va Mar	20,	***
Ball speeder for roping cotton Silas Shepard and Cromwell	00	
Dean, Taunton, Massachusetts Mar	23,	-
Boat, improvement in the N C Dawson and Anthony Bucker,	2	
Pedler's Mills, Amherst county, Virginia April Bricks, machine for making Seth Belknap, Newburgh, N Y May		_
Boiler, improvement in water and steam still S Stillwell,	1.,	
Bainbridge, New York June	6,	
	10,	
Boots and shoes, improvement in the manufacture of D Peck,		
New York Aug	14,	-
Boiler, stove bottom. Benjamin Simonds, jr Bedford, Mass Oct	15,	
Bedsteads, improvement in. Daniel Powles, Baltimore Oct	31,	-,
Band-boxes, machine for cutting the tops and bottoms of Benja-	10	
min Mestayer, New York	13,	-
	22,	
Boilers for steam engines. Thomas Skidman, New York Nov	30,	-
Bedsteads, improvement in. Peregrine Williamson, Baltimore Dec Boilers, improvement in steam Stephen Baker, New York Dec	6, 13,	
Boilers, improvement in steam Stephen Baker, New York Dec Bonnets, improvement in grass Gurdon & Sophia Wells, Wea-	10,	
thersfield, Connecticut Dec	29,	
Boots and shoes, improvement in water proof Aaron Dana,	,	
Boston Dec	31,	
Buds, Blossoms, &c. (mode of delaying,) Robert Moore, Rowan		>
co. N. C March	19,	1822

Bending timber for sleighs, &c. E. Green and M. Blackslee,		-	
Litchfield, Conn	March	120.	182
	March		
Blubber, machine for cutting up whales. William Ball, New-		,	
York	April	25.	la.
Bricks, machine for making. Benjamin Rolfe, During, New	P	~,0,	
Hampshire	April	30	
Bricks and tile, machine for making. James C. Stubbs, and		Ψ,	-
		20	
James Bonner, Cincinnati, Ohio	'May	10,	,
Blocks and wedges, improvement in making. John Thoms		17	
Washington, D. C.	May		
Bark mill, improvement in the. James Elliott, Phil.	May		
Bank notes, mode of making. Jame Ph. Puglia, Phil.	Aug.		
Bridle for stopping horses. Peter Laporte, Richmond, Va.	Aug.		
Bleaching unrotted flax. Wm. Cumberland, New York -	Aug.	21,	£
Beadsteads, improvement in. Peregrine Williamson, Bal			. 1
more	Oct.	17,	***
Bricks, improvement in the machine for moulding. H. Main	ie,		
Point Coupee, Lou	Nov.	23,	*agas
Boots and shoes, improvement in making. A. Buffum, Smit	h-		
field, R. I.	Dec.		
Bricks, mode of pressing. S. Briggs, Salem, Massachusetts	Jan.	111,	182.
Boats, improvement in the towing, &c. Edward S. Townsen	d,		
Palmyra, Ontario country, New York	Mar.	13,	-
Boats, machinery for propelling. Junia Chittenden and Am		,	
W. Delano, New York	May	11.	acue.
Boats, mode of propelling. Flavius Waterman, 3d, Washington		-,	
D. C	May	9.	-
Bee-hive, improvement in the. Simon C. Williams, Virginia			
Bricks, improvement in the making for pressing. Briggs		,	
Reed, Mass.	May	29.	
Bricks, machine for pressing; called a treadle-ma. Do., 'do.			
Bed-bugs, mode of destroying. Richard Sealy, New York	June		
Bricks, improvement in making fire proof. Timothy Caldwe		~0,	
Philadelphia	June	91	d'a
Blasting rocks, improvement in loading the boring for. Ephrai		۳1,	
Gilbert, Rochester, New York	June	99	•
Bricks, machine for making. J. Menefee, Landy Parish, La.			
Bank-bills, making paper for. Richard Wilcox, New York	Sept.		
			200
Boiler, improvement in the. A. Glendening, Butler co., Penn.	sept.	20,	-
Boiler, steam-generator, or. H. Betts and J. A. M'Lean, No		G/	
walk, Ct.	Dec.	24,	Cilian .
Boots and shoes, improvement in making. Eben. Martin, S.		10	1004
lem, N. J.	Jan.	12,	
Booms, logs for constructing. Henry Babb, West Brook, Maine		13,	₩2a
Bellows, preserving the nozle of. James Dodge, jr., St. Albans	,_	aía	
Vermont	Jan.	20,	#O::
Brewing, improvement in. R. L. Lloyd and Adam Parter			
heimer, Philadelphia	Jan.		**************************************
Bricks, burning. Robert Crutchfield, Botetorte co., Virginia	Feb.		· elso
Bricks, machine for making. Seth Lewis, Louisiana -	Feb.	11,	
Bedstead, improvement in the windlass. Leonard Foster	r, .		
Boston	Feb.	16,	600
Brush-blocks, improvement in making. Stacy Costill, Philadel	l-		
	Feb.	25,	**
Bricks, machine for moulding and making. James Lee, Ogder	1,		
New-York	Mar.	11,	du, -
Bee-hive, improvement in the. Wm. J. Stillwell, Root, N. Y			diseas.
Bookbinders' cutting presses. John J. Wells, Hartford, Conn.			473
	Mar.		

Boiler, impt. in the steam engine. Ralph Bulkley, N. Y. Blinds, padcaps, &c., making Seth Boyden, Newark, N. J. April April		1824
Bedstead, improvement in the windlass. Leonard Foster, Boston - June	95	100
Bank notes, to prevent forgeries of. Nathaniel Sylvester, N.Y. July		
Balances, construction of. David Rogers, Auburn, New York July		
Bedsteads, impt. in windlass. O. R. Herbert, Mount Pleasant,	,10,	
New Jersey July	14:	/
Borders for door plates. Joseph L. Lewis, New York Oct.	8,	- 1 "
Bedsteads, put together by right and left screws. Thomas B.	٠,	
Smith, Troy, New-York Oct.	11	
Barrels, machine for shaving and listing. Daniel North, of Mid-	7,	
dlebury and Horace Naramor, Caledonia, New York Nov.	26	_ 9
Bobbin-tube, improvement in the. Job Manchester, Warwick,	20,	
Rhode Island Dec.	13	
Bricks made by pressure. D. Flagg, jr., Gardiner, Maine Dec.		
Balance beams, casting with notches. A. Dana, Troy, N. Y. Dec.	28	
Boxes, casting for carriages. Calvin Darby, Worcester, Mass Jan.		
Bath, medicated vapour. Charles Whitlaw, New York Feb.		
Beams and balances, scale. Solomon A. Rogers, Philadelphia Feb.	19	
Bedsteads, improvement in. Isaac Cooper, Baltimore - Feb.	22	
Bedstead, windlass. Charles Adams, Boston Feb.		
Bells, triangular cast steel. William Hoyt, Brookville, Franklin	~0,	
county, Indiana - , - March	3,	
Red and hedstead for the sick. Jeremiah Raily Philadelphia March	18	
Bed and bedstead for the sick. Jeremiah Baily, Philadelphia March Boring for water, machine for. Levi Disbrow, New Brunswick,	10,	-
Boots, machine for lasting. John Eells, jr., Unandilla, N. Y. March	25.	
Bark, obtaining the tanning principle from. J. Giles, Guilford	,	
Vermont April	11.	
Bark and dve-woods, ma. for cutting. Henry Hart, ir., and H.	,	
Bark and dye-woods, ma. for cutting. Henry Hart, jr., and H. White, Stanford, Fairfield county, Connecticut - April	11.	
Buildings, construction of, for school-rooms, etc. Stephen W.	,	
Taylor, Lowville, Lewis county, New York, and John W.		
Martin, Martinsburgh, New York April	16,	
Bellows for furnaces, etc. Henry Dotterer, Philadelphia April	14,	
Boring and mortising machine. Job Wilkinson, Pennfield, N. Y. May	28,	
Bulk-head; being a water tight. Ruggles Whiting, Louisville,		•
Kentucky, June	6,	4
Brick moulding and making, impt. on Lee's machine. James		
Lee and Jarvis Ring, Ogden, New York - June Brick moulding and making, improvement on James Lee's ma-	11,	gas live
Brick moulding and making, improvement on James Lee's ma-		
chine. Timothy P. Kneeland, Ogden, New-York - June	21,	-
Bricks, impt. in the method of pressing. J. Moore, Gardiner,	~ .	
Maine Aug.	24,	
Bellows for forges, &c. impt. in. Josiah J. Eddy, Providence,	•	
Rhode Island, Sept.	9,	
Bonnet presser, impt. in the Simon Pattee, Foxborough, Mass. Sept.		
Brick press, improvement in the. Mark Twitchell, Gray, Me. Sept.		
Boiler and kettle, impt. in the. Philo N. Griffith, Orange, N. Y. Sept.	OW !	
	27,	
Boats, improvement in machine for propelling. Henry Tiller,	၈၀	
Schenectady, New York - Sept. Brick presser, improvement in the Sam. Lane, Hallowell, Me. Sept.		
Bricks, improvement in the mode of compressing. T. Norcross	30,	77
and George Pollard, Hallowell, Maine - Oct.	1	
Brick kiln, improvement in the. John Duff, Washington, D. C. Oct.	31	
Bedstead, impt. indouble draw key. J. M'Clintic, Chambers-	J.,	
burg, Pennsylvania Nov.	2.	-4
Bedstead, keyed double draw. Samuel Cooper, Chambersburg,	,-,	1
Panneyly min	0.	

Boats, machine for raising. Elisha Turner, Rochester, N. Y. Boiler, improvement in the steam. Stephen T. Conn, N. Y.		v. 2	8, 1825 9, –
Brand, for flour barrels, &c. Wm. Ross, New Orleans Boots and shoes, making water tight. Patrick G. Nagl	e,		2, -
Philadelphia Boxes and hubbs of wheels. Jeremiah Wilt, Chambersburg	g,	c. 14	
Pennsylvania, Bricks, pressing etc. unburnt. Thomas Norcross, Hallowel	Dec	c. 28	, ~
Maine Bedstead, grooved, dove-tailed. John Mitchell, Harrisburg	Dec	c. 31	,
Pennsylvania	Jar	. 11	, 1826.
Bushing sheaves, with soft metal. Theodore and Daniel Curti- Washington, District of Columbia	s,	ı. 23	1
Bricks, machine for pressing. John M. Brooking, Wiscasse	t,		
Maine		ı. 23	
Bookbinders' tools, ornamenting. David H. Mason, Phila.		. 26	
Brooms and brushes. Adam Schlater, Oxford, Penn.		. 15	
Bisected bedstead. Peter Breasted, Green county, N. Y.	Feb	. 21	
Brick press, spiral moulding. James Parker, Gardiner, Maine Boats, wagons, etc. propelling. Chancey Crafts, Woodbury		. 2 8	,
Conn	Mar	. 29.	
Bedsteads' fastenings. Edwin H. Badger, Petersburg, Va.	Apri	1 3	,
Boots and shoes, nailing. John Trask, Hadfield, Mass.	Apri	1 5	,
Bricks, machine for pressing. Julius Willerd, Baltimore, Md	. Mag	y 2	,
Bricks, machine for moulding. Divid Watson, Fayetville, Mo	e. Ma	y 6.	
Brick kilns, covering or platting. S. R. Bakewell, Wellsburg			100
Va		10,	
Biscuit and sugar bread making. Ephraim Treadwell, N. Y.		18,	
Boots and shoes, machine for making. Elijah Thayer, Leices ter, Mass.			•
Brick, machine for moulding tile, &c. Ezra Fisk, Fayette,			
Maine Boats, machine for drawing up to repair. Seth C. Jones, Ro-	June	9,	
chester, N. Y. Boats for canals, machine for weighing. Benjamin Bull, N. Y.	June		
Braiding machine, improvement on his. John Thorp, Provi-	. June -	20,	
dence, R. I. Bands, iron keyed, improvement in. Edward Cooper, Rich-	July	10,	
mond, Va	Sept.	14	-
Bells, improvement in. Henry Tyler, Utica, N. Y	Oct.		
Bridles, improvement in the manufacture of. Daniel H. Read,	, 001.	~0,	
New-York	Oct.	24,	
Bark mill, improvement in the. Cotton Foss, Madison, Ohio	Oct.		
Bilge levers, to support ships. John Thomas, New-York	Nov.		40°94
Bedsteads, improvement in fastening together posts of. Wm.			
Bell, Lexington, Ky	Nov.	7,	-
Boats and vessels, machine for raising. Alfred Warner, Ro-			
chester, N. Y	Nov.	16,	en-in
Brick press, self-feeding. John Winslow, Portland, Maine	Dec.	8,	
Bedsteads, improvement in. Samuel Davis, Catt-kill, N. Y.	Dec.		***
Bedstead joints, and sacking bottom. Daniel Powles, Balti-			
more	Jan.	26,	1827.
Boilers, anthracite coal to be used with. John Barker, Balti-			
more	Feb.	7,	
Brick, machinery for pressing. Alfred B. Crossman, Hunting-			
ton, New-York	Feb.	9,	 .
Brick, machine for grinding clay for. Benjamin H. Hill, Rich-			
mond county, Georgia	Feb-		
Bogging machine. Squire Collins, Hillsdale, New-York	Feb.	22,	-
Bee-hive, improvement in the. Cuthbert Wiggins, Fayette co.			
Pennsylvania	Feb.	27,	900 000
• •			

Blacksmiths, blowing and striking for. L. Hoyt, and Ebenezer

Pierce, Putteney, New York	March	3.	1827
Blacksmiths, spring hammer for. James Rainey, Orange co.	•		
North Carolina I	March,	7,	-
Brick making machine. David Rising, Atchester, Vermont,			
[See B.]	March S	21,	
€ .			
Cabouse, construction of a. John Youle, New York,	Aug.	25.	1795
	- Aug.		
Do do. Richard Robotham, New York			
Carriages to be propelled by mechanic powers, construction of			,
John J. Staples, New York	April	25,	
Cloths, raising a nap on. Sam. Mullikin, Philadelphia -	March		1791
Cloths, method of raising and shearing the nap of, by a wheel			
of knives. Sam. G. Corr, Albany, N. Y.	Oct.	20,	1792
Cloths, woollen and other shearing. Sam. Kellogg, Vermont	Jan.		
Color, yellow, forming a. Thomas Bidwell, Pennsylvania	April	20,	1796
Conductor, for conveying persons and goods from houses or)	~~	-
fire. Samuel Green, New York	March		
Cordage, manufacturing. Geo. Parkinson, Pennsylvania,	June,		
Cordage, manufacturing of. John Pittman, Rhode Island	_	25,	1701
Cotton, Spinning. Wm. Pollard, Philadelphia	Dec.		1791
Cotton, ginning. Eli Whitney, New Haven, Conn.	March	10	1706
Condles improvement in making Learnh S. Sampson	May	26	1797
Candles, improvement in making. Joseph S Sampson -	June March		
Candles, machine for dipping. Samuel Blydenburg, Cards, manufacturing. Amos Whitemore	June		
Carriages, improvement in propelling. William Farris	April	'	-
Casting. See Iron.	npin .	~υ,	1
Chimnies, improvement in. Richardson Stuart	Feb.	24,	
Clay for tile, a new method to cut. Andrew W. Duty -	May	8,	1799
Clock, time keeper, and watches, improvement in. Eli Terry		17,	1797
Cloth, improvement in a loom for weaving. Amos Whitemore	Nov.	17,	1796
Cloths, washing. Nathaniel Briggs	March	28,	1797
Cloth, raising a nap on. Walter Burt	June		1797
Cloth, machine for dressing. Isaac Sanford	March		
Cloth, improvement in Washing. Ezra Weld,	June	26,	
Coal stove. See Stove.		•	
Coffee-grinding, improvement in. Thomas Bruff		8,	1798
Colors and paint, improvement in mixing. Lawrence All		04	1707
Wine	Feb.		1797
Combs, a machine for making. Phineas Pratt	April	12,	1799
Concentrating the volatile parts of calcarious earth, stones, &	Nov.	16	1796
Cooking and boiling, machine for, called a Conjurer. Thoma		ж,	1100
Passmore	Dec.	23.	1796
Corn, beans, &c. a machine for cutting. Eliakim Spooner			1799
Corn, beans, &c. a machine for planting. Eliakim Spooner		25,	
Cotton, improvement in ginning. Robert Watkins -	Dec.		1796
Cotton, improvement in ginning. John Murray	Dec.	23	
Cotton seeds, extracting oil from. Charles Whiting	March		1799
Counterfeits, a check to detect. Jacob Perkins	March		
Comb teeth, improvement in cutting and pointing. I. Tryon	Feb.		, 1798
Coach colors, improvement in. Wm. Hottensteen	April	10	, 1800
Cloth, to their original state, to be manufactured. John Bid			
dis	May	6	
Cooking, machine for. Frederick Butter	Aug.	22	,
Chimnies, improvement in. David Cooly, jr. and Gabriel N		or	
Philips	Aug.	25	

Cotton gin. Eben. Whiting, Berkshire, Mass	Aug.	22,	1801
Condenser in heating wash, in distilling. A. Anderson, Phil'a	Jan.		
Chain and cleaver shot, mode of making and discharging. Is-			
rael Hatch N	Iarch	24,	-
Cut nails. See Nails.			
Cylinders, wheels within which. See Wheels within Cylinders. S	ept.	15,	
Currier's shavings. See Paper.	•		14
	Feb.	20,	1802
Cotton gin, machine for. William Bell and Samuel de Mont-		,	
	April	7,	-
	April	10,	
Clover seeds, machine for cleaning. Asher Spicer, Kent, Mass.		22,	
	May	4,	
Cutting fur for the use of hatters, machine for. Nicholas	uj	-3	
	May	14,	-
1 0/	July	19,	
Corn husks. See Paper.	, urj	10,	
Cotton. See Saw Mill for cleaning.			
Cotton gin, improvement to the patented roller. Wm. Bell and			
	March	7	1803
Clover seed, machine for cleaning. John Cottle, Philadelphia I			1003
	viateli	۸1,	
Cooler or condenser of vapor, improvement. Wm. How, Bucks	A mmil	9.	1002
	April	٥,	1803
Crooked keels, mode of constructing vessels with. Eliphalet	A	07	
Bube, Allegany co. Penn.	April		
Channels, machine for deepening. Mat. Barney, Nantucket	May	14,	
Cleaning cotton, a rolling machine for. Gordon F. Saltonstall		00	
Churn, rocking. Walter Keeler and James Warring -	June	23,	
Cloths, machine for shearing. See Shearing.			
Cabouses, improvement in the construction of iron ones. Wm.		••	
Ashbridge	June	28,	
Columbia fire places, improvement in. Robert Heteric, Win-			
	June		
Cooling liquors, method of. David Lowndes -	July	31,	
Clover, machine for separating from pod. T. Kirk, York Bo-			
rough '	July	28,	eze.
Cock. See Water Cock.			
Cough drops. See Vegetable Elixer.			•
Carriages, mode of constructing. J. C. Stroebel, Reading, Pa.	Sept.	19,	400 475
Cotton gin, improvement in. William Bill, Camden, N. C.	Nov.	24,	-
Cylindric ruler, for ruling paper. John Fairbanks, Boston	Nov.		
Cotton gin. Joseph Eve	Dec.	6,	40
Cards. See Twilling Machines		-	
Condensors. See Still Heads			
Clover seed, wheat, &c. improvement in separating from the			
	Dec.	21,	,auto
Colors, for painting, printing, &c. improvement in making.		,	
	Dec.	30,	
Clover seed, machine for hulling. Jacob Worrell			1804
Cattle. See Watering.	7 00.	~,	1001
Clover seed, machine for shelling. Michael Withers, Lancaste	r Anr	11 30	
Cutting straw and hay, machine for. M. Coats and E. Evans	Apri		
Columbian threshing, break and cleaning fan. Samuel Housto			
Churn, machine to be fixed to the top of. Levi Stevens -		v 8,	
	ma	y 0,	
Corn See Shelling.	Ma	. 10	-
	- Maj	y 10,	-4
Cotton, machine for cleaning and moating. J. Simmons and	J.		
James	7./	, 1 17	
Cleaning and in from strong increased and in machines for Tarilli.	Mag	y 17,	
Clearing grain from straw, improvement in machines for. Willis	May am		
Clearing grain from straw, improvement in machines for. Willis Tunstodt, Richmond, Va. Chip hats, machine for cutting chips for. Amos D. Allen, Jo	May am Jun	y 17, e 30,	<u></u> -

Roberts and Asahel A. Kelsey, Berlin, Penn.	Sept	. 5,	1804
Carriage See Wagon		-, 1	
Chimnies, method of preventing them from admitting water	in		
T 1 T (781)	Oct	. 2.	_
	- Oct	. 29	
Composition. See Fire.	001	.,~0,	
	Dec.	92	
Close fire place. Horatio G. Spafford, Hudson, N. Y.			1005
Cominger iron wheel for transporting D. Cominger in Mr. 11	May	3,	1805
Carriages, iron wheel, for transporting. R. Crane, jun. Woodbu			
ry, Connecticut	May	4,	
Cross cramp for four wheeled carriages. S. Glover, Fairfield,	,		
Connecticut	May	4,	
Clover-seed, machine for shelling and hulling. Michael			
Zorger, York, Penn.	May	10.	
Condensing tub, improvement on Anderson's. Henry Witmer,	- 3	,	
	May	17	/
Cotton, machine for ginning, carding and spinning, J. M'Bride,	2,243	,	
	Aug.	8,	
	Aug.	0,	-
Casting types. See Types.	2	-	
Conduits, Clay pipes for. Samuel Bartlett, Hartford, Conn.	Oct.	ı,	
Casting Bolts. See Bolts.			
Cattle mills. See Mills.			
Copying machine for charts, landscapes, etc. Cephas Thomson,	Feb.	-5,	10000
Chip. See Loom.			
Cabouse, improvement in. George Youle, New York - M	arch	21,	1806
Carding machine, to form bats for wool hats. Abner Guild,	, -	,	
	arch	31.	<u></u>
	April		
	11pin	υ,	:
Cutting straw, machine for. John Heavin, Montgomery co.		17	
Maryland A	pril	11,	dig.
Calcarious matters, method of reducing into lime. Charles		- 1	
Varle 1	May	2,	
Cabouse stove, apparatus for cooking, etc. George Youle, New			-
York I	May :	21,	
Cloth. See Shearing.	r	•	-0.
	May :	26.	-
Cables, apparatus for improving. Nathaniel Cutting, Washing-	4	,	
	lug.	14	-
Composition for covering and flooring houses. Lewis de Ni-	ug.	,	
moth Deltimore	Dah	9	100~
roth, Baltimore	Feb.	٥,	1001
Charcoal, mode of making from peats. C. Fales, Worcester,			
	eb.	,	
	eb.	21,	
Cabouse stove, for cooking, improvement in. George Youle,		ι	
New-York A	pril	1,	-
Carriages, mode of disengaging swingle-tree. Henry Dunlap,	- 1		
Ceorgetown, D. C.	pril 2	23.	-
	Iay		L_
	ine 2		
		_	
	une 2	,	-
	July		
	uly 2	- 1	
Churn, improvement in. Buel Butler, Washington, N. Y.	ct.	3,	
Copper sheathing nails, mould for casting. Thomas M'Ilwain			
	ct.	6,	
Cheese Press, improvement in. J. Arnold, Pawlings, Duchess		1	
	oct. 2	6.	
	ec. 1		
Condens made of manufacturning at a D Fulton and Mathan	I	٠,	
Cordage, mode of manufacturning, etc. R. Fulton and Nathan-	nak	1 1	000
	rch	4, 1	000
Combs, machine for making. Phineas Pratt, Say Brook,	ch		
Conn: Mar		5, •	A.ma

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Churn, improvement in. Simeon Hays, Poultney, N. Y. March 8,	1808	
Churn, revolving. Nicholas King, Washington March 10,	-	
Churn, revolving. Nicholas King, Washington - March 10, Churn, improvement in. S. Stackhouse, Cassanovia - March 11,	open.	
Chimnies, improvement in. G. Gridley, Newburyport, Mass. March 13,	-	
Cider and cheese press, improvement in. Eden Benedick, New		
Marlboro', Mass March 21, Churns, improvement in. W. W. Townsend, Sandy Hill, N. Y. March 22,		
Churns, improvement in. W. W. Townsend, Sandy Hill, N. Y. March 22,	·	
Cross cut saw. T. Cohoon, Washington - April 11,		
Cheese press, improvement in. E. Warner, Waterbury, Conn. April 12,		
Churn, improvement in. Daniel Pierpont, New Haven, Conn. April 22, Churn, improvement in. Aaron Reed, Columbia, N. Y April 25,		
Carriages for field artillery. D. Cobb, Boston - April 25,		
Churn, improvement in. N. Howe, Windham, Conn. April 25.		
Churn, improvement in. N. Howe, Windham, Conn. April 25, Churn, improvement in. S. B. Willard, Bloomfield, N. Y. May 18,		
Carriage springs. Enoch Ives and Jerry Hill, New Haven,		
Connecticut June 3,		
Chain bridge. Fayette co. Penn June 17,	-	
Cider and cheese press. E. Benedick, New Marlboro', Mass. June 18,		
Conduit pipes, mode of making from clay. Robert Ramsey,		
Conduit pipes, mode of making from clay. Robert Ramsey, Hanover, New Hampshire June 24, Churn. Dyer Cleveland, Sheffield, Mass July 7, Currying and finishing leather. S. Parker, Bellerica, Mass. July 9,		
Churn. Dyer Cleveland, Sheffield, Mass July 7,		
Currying and finishing leather. S. Parker, Bellerica, Mass. Churn. Dyer Cleveland, Sheffield, Mass. Churn. E. Townsend, Canaan, N. Y. July 9, July 11, Churn. E. Townsend, Canaan, N. Y.	ter ett	
Churn E Townsond Concer N V	*****	
Churn. E. Townsend, Canaan, N. Y July 12, Churn. John Bolton, Philadelphia Aug. 2,	7	
Chain bridges, improvement in. J. Templeman, Alleghany, Md. Aug. 15,		
Churn, rocking. Daniel Parmele, Duchess co. N. Y Sept. 8,		
Churn, rocking. Daniel Parmele, Duchess co. N. Y Sept. S, Churn. Samuel Moon, jun. Downingtown, Penn Oct. 24,		
Churn and washing machine. John Devotie, Vernon, Oneida co.		
N V	1	
Churn. Luther Jones, Canton, Conn Dec. 10,		
Churn. Luther Jones, Canton, Conn Dec. 10, Cheese press. Levi Martin, Granville, N. Y Dec. 19, Casting See Pines	-	
Casting. Doo's speed		
Carriages, mode of suspending. J. Henderson, Gifford, Conn. Dec. 26,	-	
Cheese press. H. Dichermans, Berkshire co. Mass Dec. 27,	african .	
Cheese Press. Hazin Erwin, Boston Dec. 28, Clover-seed, machine for cleaning. Wm. Sampson and C. Cur-		
Clover-seed, machine for cleaning. Wm. Sampson and C. Cur-	1000	
tis, New Haven, Conn Jan. 6,	1809	
Candles, machine for manufacturing. Wm. Miller, N. Y. Candles, machine for dipping. Sam. Stansbury, N. Y. Jan. 6, Jan. 6,		
Candles, machine for dipping. Sam. Stansbury, N. Y Jan. 6, Combs. Moses Moss. Farmington, Conn Jan. 10,	Miles in the second	
Composition for the bottoms of vessels. Jonathan Pratt, Middle-		
town, Conn Jan. 14,		
Carriages. Wm. Ross, New York Jan. 14,		
Clay conduit. Sam. Bartlet, Hartford, Conn Jan. 15,	mate:	
Churn. Ira Millington, Warren, N. Y March 2,		
Clover-seed, machine for getting out. S. Condon, New Hart-		
ford, Conn March 3,	***	
Cement for covering houses. C. Mornewick, Baltimore March 13,		
Case or kirb for sinking wells. Job Cowperthwaite, sen. April 13,		
Churn. Ezra G. Jones, Otsego, N. Y April 21,	***	
Currying and finishing leather. Sam. Parker April 26,	***	
Churns. Hezekiah Dickerman and G. Barrington, Mass. May 9, Combs. Nath. Jones. Southington, Hartford co. Conn May 9.		
Cheese press. Phineas Allen, Burlington, N. Y May 13,		
Churning. See Washing.		
Churn. J. M'Cord, Washington, N. Y June 13,	ester.	
Cables and ropes, machine to lay and spin. W. Schultz, Balt. June 24,	-	
Churn. L. Thomson, Sturbridge, Mass June 24,	-	
Clock. Ira Ives, Bristol, Conn June 24,	_	
Chimnies. Lewis Lecesne, Philadelphia - : - June 26,		
T-080000-		

Combs, mode of making from hoofs. R. Gedney, N. Y.	June		1809
Combs. Timothy Stanley, Southington, Conn.	July	6,	,
Clay, machine for tempering. John Matthews, Baltimore Corn-stalks, mode of distilling from. B. Allison, Philadelphia	July		~
Cheese press. Ben. Atwell, Burlington, N. Y.	July July		
Cabouse, improvement in the. Geo. Youle, New York	July		
Churn. Thomas Nicholson, Washington	Aug.		-
Churn. Ben. W. Lapish, Durham, N. H.	Aug.		
Churn. Nath. Harrington, White's Town, N. Y. Clock, in the striking part of. Lemuel G. Kilborn, Penn.	Oct.	11,	ma 1
Corn. See Furrowing, etc.	ø'.	12,	,
Churn. Benjamin Atwell and Israel Nichols, Otsego, N. Y.	Oct.	14,	-
Cotton, hay, etc., machine for binding. J. Simmons, Philad'a			
Churn. Enoch Burt, Princeton, New Jersey, Circular saw mill. Geo. Huling, Shaftsbury, Vermont	Nov.		
Compass, mariner's. Wm. Russell, New Bedford, Mass			
Churn. John Whitmore, Litchfield, Conn.			-
Chain band with buckets. Stephen Belnap, New York	Dec.	29,	
Churn. Daniel Osborn, Berkshire, Mass Carding and spinning wool, by one operation. Alanson Holme	June	8,	1810
Pomfret, N. Y.	June	8	-
Coopering machine. Oliver Barber, Hartford, Conn.			_
Camphor, mode of refining. Henry Mead, New Haven, Conn.	Feb.		-
Counterfeits, mode of preventing. George Murray, Philade	;l-	10	
phia, Penn. Cheese press. E. Raymond, Sherburn, New York.	Feb.	13,	4117
Cotton press. Richard V. W. Thorne & J. Thorne, N. York.	Feb.	22	
Churn. Benjamin Fairbanks, Worcester, Mass I	March	.5	-
Combs, machine for manufacturing ivory. David Williams, 3		-	
	March		
Copperplate printing, mode of putting on the ink. Andrew M	April	11,	
	April	17,	4
Cheese, vat for pine-apple cheese. Lewis Mills, Norton, Goshe	n,		
	April	17,	
Chimneys, to prevent smoking in. Oliver Richardson, Medwa	y, April	18	4.00
	April		**
Coaches and other carriages. Frederick Bremler, New York.	April		al so
Cleaning grain from seed, machine for. Wm. H. Peabody, Wood		•	
bury, Conn	June		•••
Cartouch Boxes, machine for boring blocks for. Valentine	June	10,	***
Bogenruff, Georgetown, D. C	July	10,	- (
Churn. E. Bacon, Hancock county, Mass	July		
	Aug.	14,	44.0
Chaise. See Grecian. Pheneas Dow Carbonic Acid gas, mode of saturating liquids with. Charles I	·).		
	Aug.	16,	
Combs, socket hair. Eli Parsons, Bristol, Conn	Aug.		
Churn. Simeon Gray, Gennessee, N. Y.	Aug.	17,	m 45
Carriage, block for sawing. Wiliam Underwood. Herkimer, N. York.	s. Sept.	6,	
	Sept.	8,	
Cancer, composition for curing. Elias Willan, Albany, N. Y.	Oct.	8,	-
Currying knife. S. Parsons, Parsonsfield, Mass.	Oct.	25,	~
Capstan. See Windlass. John Galvid.	Yon	16 '	1811
Clocks for fluids. Josiah Witherle, Boston Combustion and explosion. Augustus Day, Bordentown, N. J.	Jan.		
Churn. Joseph Beach, Northfield, Mass -	Jan.	24,	
Cotton gin. R. Hancock, sen. and E. W. Carr. Philadelphia.	Feb.	6,	gelons ,

Churn. Lewis Cleveland, Holliston, Mass	Feb.	7,	1811
Corn stalks, making spirits from. J. Saunders, Schenectad	у,		
New-Vork	reb.	11,	
Columbian oil, making. Thomas Paul, Baltimore	rep.	23,	
Cutting. See Grain. John Comfort.	Monah	9	
Condensation of vapours. Noel Blanche, New York	Waren	۵,	
Clover seed, machine for. Nethemiah Price, Frederick count	March	2	ein.
Maryland - Chain paddles for boats. Azael Pierson, Cumberland co. N. J.			
Condensar I vmon Cook Whitestown N V	March	26.	
Condenser Lyman Cook, Whitestown, N. Y Churn. Henry Mumford, Ulster county, N. Y	March	28,	
Carriages. Moved by manual labor. L. Cook, Whitestow	n,		
New York	March	28,	
Gards, machine for straining and grinding. John Boynto	n,		
Windham co. Conn.	March	30,	
Windham co. Conn. Cooking stove. Andrew Sherwood, New York	April	25,	~~
Churn. Daniel Robertson, Franklin, New-York	May	3,	
Carriages, in the bodies of. Edward Gibson, New-York -	May	10,	
Carding machine. Heman Palmerler, Shoreham, Addison co	. May	25,	- 6
China and glass, composition for. Harvey Bascon, Wester	n, ·		
Massachusetts	June	10,	
Chair bottoms. Abner Ellis, Dedham, Mass	June	12,	
Cotton-spinning machine. J. G. Baxter, Philadelphia -	June	22,	
Chopping meat, etc. Haziel Smith, Philadelphia Churn, vibrating. Thomas Pratt, Cheshire, N. H.	July	19,	
Churn, vibrating. Thomas Pratt, Cheshire, N. H.	Sept.	12,	
Churn. J. H. Shepard Canaan, Mass	Oct.	10	-
Cutting wheat, etc. W. P. Claiborne, King William's co. Va	UCL.	12,	
Clapp's crank engine, improvement on. Joseph Clapp, Gree	" Nor	16	0.5
field, Mass	Nov.	97	_
Cotton, machine for roving. O. Barret, jun. Scaghticoke, N.	V Dec	3	1
Cotton. See Flyers. Aziriah Walton.	I. Dec.	, ,	•
Cotton, etc. machine for spinning. G. Brewster, G. Trumb	all	,	
and J. Matthews, Bane, Vermont	Jan.	. 16.	1812
Cotton, etc. machine for cleaning. E. Raymond, Norton, Mas	s. Jan.	18.	
Coaches, etc. construction of. Fred. Biemler, New York	Jan.	21,	
Case, or stove for kettles, etc. Charles Gaston, Williamspo			74
		31,	
Chimneys, backs for. Joel Root, Southington, Conn	Feb.	13,	,
Clocks, pinions of. Ira Ives, Bristol, Conn	Feb.		
Carriages, construction of. Dan. Neal, Milford, Delaware	Feb.	26,	
Chimney regulator. D. Shoemaker, Philadelphia			
Candles from tallow and wax. James Zwisler, Baltimore		12,	
Churn, horizontal. John Davidson, Cheshire, N. H.	April		
Camphire, refining. J. Green, Charleston, Massachusetts	Apri		
Chair bottoms. J. Elliot, jun. Philadelphia	. Apri		
Consumptions, cure for. C. Shaw Long, Philadelphia -	Apri		
Cheese press. W. W Townsend, Addison, Vermont -		13,	
Canker worm, preventing the. Paul Adams, Newbury, Mass	-	19,	
Cordage, machine for making. A. Hill, Walpole, N. H.		30,	
Clath machine for friching etc. S. Hant Hamstood, N. V.		20.	
Chain conts and milways, John H. Morrison, Reseaven, N. Y.	July July	7 27	
Chain carts and railways. John H. Morrison, Boscawen, N. I Cooking apparatus. J. Morris, New Haven. Conn		, 20	
Cider. See Wine. Henry Seabolt.	- 001	, 3	,
Cloth, made by felting. O. Barrett, jun. Troy, N. Y.	Dec	. 8	
Cabouse. John Bouis, Baltimore		. 31	
Cloth and blanket making. Allen Barnes, Sam. Gray, and Ja		. 01	,
Clark, Windham, Conn.	Fel	o. 3	, 1813
Carding cloth. John Jessup, Orange county, New York	Feb		•

Carding, spinning, and roving. T. Norton and Geo. Biddis,		
Milford, Penn April	15.	1813
Carriage to be moved by hand. D. Nine, jun. Reading, Penn. May		
Cartouch box. Jonathan Mix, New York - June	_ ′	
Cradle. Samuel Pope, Windsor, Conn June		
Cloth from hair. W. Shotwell and A. Kinder, N. Y. July		
Churn, pendulum. Silas Hitchcock, Vernon, N. Y Aug.	7,	
Cylindric polisher. Eben Stowell, Middlebury, Ver Aug.		
Comb twinning machine. D. Carrington and Ira Ives, Litchfield, Aug.		
Cylinder, re-acting, etc. T. Powell, New York - Dec.		
Churn. Wm. Humphrey, Ohio Jan.		1814
Card boards, smoothing. D. Stearns, Battleboro', Vermont March		
Comb-cutting machine. J. H. Derby, Leominster - March	26	
Canker drops. D. Holbrook, Onondago, N. Y March		- 1
Cotton seed, machine for hulling. J. Lineback, Salem, N. C. March		
Corn, machine for planting. John Blocher, Lancaster, Penn. April		
Carriage springs. R, and I. C Humphreys, Cantwell - April	,	-
Carding wool. Lewis French, New Haven, Conn. May		
Cheese press. Joseph Goulding, Worcester, Mass May		
Cornices for houses. T. K. Beale, Alexandria, D. C. May		
Cup and saucer, Columbian. John Love, Baltimore - June		
Candles, mould and dipt. J. Zwisler, New York, - July		
Cloth, machine for shearing. B. Swift, Washington, N. Y. July		
Chimney stove. C. Varle, Fredericktown, Md July		+
Carriages. B. Peck, Philadelphia July	5.	
Cock stop. D. Sharman, Warren, N. Y.	15.	-
Clover seed, machine for cleaning. H. Spickard, Faircastle,	, ,	
Virginia Aug.	16.	we .
Clocks, pinions for. H. Bronson and J. Curtis, Waterbury,	- 0,	
Connecticut Aug.	22	was .
Clock, wooden. J. Harrison, Boston Aug.		
Clocks, for pointing wire for. A. Sperry, Waterbury, Conn. Aug.		
Clock plates, boring. Joel Curtis, Cairo, N. Y Aug.		
Clocks, machine for cutting teeth. Joel Curtis and D. Bradley,	λο,	
Connecticut Aug.	22.	-
Clocks, machine for cutting teeth. A. Hopkins, Litchfield,	,	
Connecticut Aug	22.	
Chimnies and fire places. Adam Spohn, Comrio, Pennsylvania Sept.		-
Cloth shearing machine. C. H. Orth and Frederick Strohn,	,,,	
Steubenville, Ohio Oct.	11.	
Comb twinning machine. S. Hills and Moses Emery, jun.	,	
Newburyport, Massachusetts Oct.	21.	
Newburyport, Massachusetts Oct. Cultivating the earth. James Hall, Va Nov.	19.	
Carriages, wheel. Hor. Gates, Spafford, Albany, N. Y Nov.	25,	
Chimnies, machine for sweeping. J. Bruff, Washington, D. C. Dec.	16,	
Colors, permanent for calicoes. Augustus Bouler Dec.		
Carriages, hanging and placing steps. J. J. Wells, Hartford,	100	
	24,	1815
Cleaning wheat. William Davis, Fairfield, Connecticut - Jan.		
Clover seed, cleaning. S. Arnold, Bottetort, Virginia - Jan.		
Cradle. Peter Cooper, Hampstead, New York March	27,	-
Combs, cutting horn or tortoise shell. Simeon Allen - April	1,	-
Colors, prepared with lime. J. Nicholas, junior, Bradalbin,		
New York April	12,	
Clover seed, gathering. John Smith, Fredericksburg, Virginia April	28,	
Churn. Joshua Lane, Homer, New York May		-
Cotton, machine for drawing, roping, etc. W. Tiffany and P.		
Allen, Otsego, New York July	17,	-
Cotton Spinning. L. Bissel, L. C. Hinmans, and S. Wilson,	7.	-7
Otsego, New York July	17,	apm .
Corsets. Mary Brush, New York July	21,	-

Charcoal, making for gun powder. F. Parker, Prince George's		~	
county, Maryland Ju	ly	25,	1815
Cataract, removing by points, etc. F. B. Shaw, Philadelphia Ju	iy ~	21,	
Cards, making machine and hand. W. Barker, Smithfield, R. I. Au	g.	1,	
Cards, composition for. John M. Gates, Warren, Mass. Sep	ot.	14,	**
Carding machine, gleaning savers. J. Hugus, Greenbush, Penn. Sep			4
Cancers, curing. Jacob Ware; Philadelphia Sep	t.	20.	
Cooking machine. John Seger, New York No			
		27,	
			1816
Corn cobs, spirits made from. J. and S. Demund, New Jersey Jan	1.	17,	
Carding woollen cloths. J. A. Christie, Elizabeth Town, N. J. Jan	n.	24,	
1		25,	
Cock, block tin stop. John Morris, New Haven, Conn Marc			
Carpenter's sliding dovetail joint. G. B. Raymond - Marc			-
Combs, making. Eli Sperry, New Haven, Conn Marc			
Churn. John Erving, Boston Apr Cutting comb teeth. M. J. Littleboy, Philadelphia Ma	11	30,	~
Clocks, thirty hours, brass and wooden. E. Terry, Litchfield,	J	20,	
Conn Jur	le.	12.	
Chair, Eagle. William J. Wever, New York - Jur		- '- '	
		28,	
Combs, machine for twinning. Samuel Parmele, Saybrook,		1	
Connecticut Jul	y	15,	-
Cutting machine, for beating and bruising. Adam Britz, Phil. Jul			
Churn. Artimas Bills, Baltimore Jul	y s	29,	
Cancers, cure for. James Andrus, Hillsborough, N. H Jui	y	30.	
Churn. Benjamin Webb, Tolland, Connecticut Aug	Ş	22,	**
Cider and vinegar made of offals. W. Richardson, Kingston,	_ ,	26	
New York Aug Coquing, or dowelling instrument. W. Bowhay, Philadelphia Oc	,	20, 11	
Catheter, flexible metallic. Israel Palch and Moses Carter,	L	14,	
Salisbury, Massachusetts Oc	t. :	26.	
Chairs. See Posts for Elijah Farrington, New York.		.,	
Chair bottoms. John Wall, Philadelphia Oct		29,	-
Cotton gin. Englehart Cruse, Charleston, S. C Nov			
Churn. Abel Bradway, Monson; Mass Nov			
Cotton gin. Isaiah Jennings, New York, Jan			181
Cards, making, grinding, &c. G. Drake, Windsor, Connecticut Feb			** /
Couch, accommodation. John Mead, Albany, New York Marc			
Convalescent chair. John Mead, Albany, New York - March			
Composition for covering houses. A. Rogers, Hudson, N. Y. Marcl Compressed air, to propel boats by. J. L. Sullivan, Boston Marcl			-
Chimnies, construction of. L. D. Detroismonts, New York April		5,	-
Copy books, composition for. Richard Wall, Philadelphia Apri			
Cloth, shearing machine. James Collins, Anson, Somerset, Md. June			grant.
Combs, machine for cutting T. G. Thomas, Philadelphia June			
Chimnies, machine for sweeping. J. Hunt, Baltimore - July	7 1	2,	6 230
Cloth shearing machine. Eliphalet Remington, Frankfort,			
New York Aug		•	No.
Comb, machine for twinning. D. E. Noyes, Philadelphia Sept.	,	6,	
Carriage life preserver. H. G. De Grandval, Portsmouth,		9	
New Hampshire Oct		3,	-9
Carriages. Ben. Had, Newburyport, Mass Oct	•	4,	ado.
Cordage, machine for laying. C. Lenox, Sargent, Suffolk, Massachusetts - Oct		4,	
Cordage, machine for making. S. and J. A. Bazin, Canton,	•	τ,	
Massachusetts Oct	. 1	7.	
Candle Moulds. Joshua Witherle, Boston Oct			-8
Cloth, milling, fulling, &c. M. Lee, Otsego, N. Y Nov			~~

Cement, to be used under water. John Grant, Saratoga, N. Y. Nov. Chimnies, machine for sweeping. E. Paine, Philadelphia Dec.	11,	
Cotton hopper. Gurdon F. Saltonstall, Cumberland, N. C. Dec. Cannon, mode of pointing. J. Blach, Northumberland, Penn. Jan.	•	1818
Cloth shearing machine. Wm. Stillman, R. I Jan	17,	
Combs, horn. Macpherson Smith, Poughkeepsie, New York Jan.		-
Combs, metallic. W. A. Langworthy, Balstown Springs Feb.	28,	
Cloth shearing machine. D. Dewy, Poultney, Rutland, Va. March	16,	
Churn. Nathan Porter, Hartford, Conn April		
Cutting machine for soft substances. A. King, Lancaster, Penn. May	28,	
Churn. T. T. Storm, New York May	28,	-
Combs, metal hair. Lineus North, Otsego, N. Y May		
Circular saw. W. F. Hill, New York July	'	
Casks, making. J. Little, Hillsborough, N. H July		
Cotton yarn, machine for spinning. P. Arnold, Conn Aug.		
Combs, manufacturing. D. Pettibone, Philadelphia - Aug.		
Chrystallizing tin. G. F. Valentine, Albany - Aug.	26,	****
Cloth shearing, napping, &c. machine for. John J. Bryent,	_	
Andover, New Hampshire Sept.	2,	
Cotton, machine for roping, winding and twisting. David Grieve,	10	
Providence, R. I Sept.	18,	
Columns, machine for ornamenting C. Durand, Springfield,	00	
New Jersey Sept.		
Carriages, improvement in. J. B. Swan, Albany, N. Y. Sept.	29,	-
Catch for window shutters, improvement in the. Noble Hurdle,		
Georgetown, D. C.	1,	-
Chopping sausage meat, machine for. David Reissel, Harrisburg,	00	
Pennsylvania Oct.		
Cotton, machine for inspecting. Lewis Viales, New Orleans Oct.	29,	
Corn sheller, improvement on Z. Phinney's. Hugh Gallagher,	00	
Pittsburg, Penn Oct.	′	
Castor oil, clarifying. J. Hallock, Philadelphia - Nov.	,	
Cloth, machine for napping, &c. L. and J. Prescott, Pittsburg Nov.	5,	
Coaches, improvement in the springs for. M. H. Beneville,	17	
Canterbury Nov.		-
Conduit pipes, improvement in. Joshua Clarke and L. Crowell Dec.		
Conduit pipes, improvement in. Elisha Putnam, Albany, N. Y. Nov.	10,	
Cloth, machine for teazling and napping. A. Foster, Putney, Vermont Nov.	95	
Vermont Nov. Cordage, machine for making. William B, Leonard, Fishkill,	20,	
New York Jan.	O	
Corks, machine for making bottle. James Barron, Hampton,	ο,	
Virginia Jan.	10	
Cooking stove. Palmer Jenkins, Hebron, Washington county,	12,	
New York Feb.	6,	
Churn. Joseph Lloyd, Orange county, New York - March	,	
Cloth shearing machine. S. Parsons, Hoosack, Ranslaer county,	~,	
New York March	12.	
Churn. William L. Frazer, Oxford, Chinango co. N. Y. March		-
Chronometer, Samuel S. Edmonston, New York April		1819
Cordage, machine for making. Robert Graves, Boston - April	40	
Clearing obstructed channels or docks, machine for. T. Baker,	,	,
Providence, R. I April	12.	-
Corn shelling machine, improvement in the. Walter Jones,	ι,	
Ashford, Conn May	6.	
Composts for soils. Anthony B. Martin, Baltimore May		
Carbonated mead. James Heaton, New York July	'	
Cultivator, American. Fred. Miner, New London, Conn. Aug.	'	***
Cast steel welded to iron. Daniel Pettibone, Boston - May		water
Cards, machine for pricking holes in leather. J. Lamb, Leicester		
Avan	01	

Carbonated liquid cream tartar. Sophia Usher, New York Sep Cotton seed, food for cattle. Dan. Gillet, junior, Springfield,	g. 26, t. 11,	1819
	t. 15,	
	. 14,	
Comb cutting machine. Nison Foot, Philadelphia - Oc	t. 28,	
Combs, machine for making. Ben. Haskill, Paris, Fr No		_
	r. 10,	
	. 13,	
Cloth shearing machine. Elihu Hotchkiss and Aaron Jaguas,	. 10,	
	. 15	
	c. 15,	
	e. 15,	-
	n. 14,	1820
Corn sheller, improvement on W. Jones'. Rufus Guthrie,		
Brimfield, Mass Jan	n. 18,	-
Coating for ships' bottoms. James Russel, New Bedford, Mass. Jan		
Cement, water proof. Canvass White, Whitestown, Oneida,	, ,,,	
New York Fel	. 1,	,
	J. 1,	-
Coffee roaster, improvement in the. Peregrine Williamson,	1 00	
Baltimore Marc	h 20,	
Circular saw. Robert Eastman and Josiah Jaquitt, Brunswick,		
Massachusetts Marc	h 26,	-
Canals, machine for excavating. Ichabod L. Skinner, Hartford,		100
Connecticut Ma	y 3,	-
	y 6,	
	y 8,	*
	, o,	-,-
Cloth, machine for napping etc. John Byram and S. D. Fuller,	.,	
Mendham, N. J.	il 4,	-
Coal, etc. machine for drawing. Edward E. Danley, Fredonia,		
	y 12,	
Candle wick, machine for making. Shaylor Ives, Chilicothe,		
	y 17,	
	y 16,	
	g. 12,	ج
	t. 13,	
	t. 4,	
Cotton, machine for spinning. William Bald, jun. Providence,		
Rhode Island Oc	,	
Cocks, valve. John Cluley and Benjamin Stancliffe, Phil. No		
Chimneys, machine for sweeping. Samuel S. Edmonston, N. Y. No	v. 8,	
Cooperage, machine for doweling. Ralph Hunt, Ontario, N. Y. De	c. 11,	_
	n. 26,	1821
Cordage, machine for laying. Robert Graves, Boston - Fe		-
Cement, water proof. Canvass White, Whitestown, New York Fe		
Cotton, foot gear for cleaning. William Gould, M'Intosh co.	0. 11,	
	h 00	
Georgia Fe	b. 20,	
	b. 19,	
	b. 19,	
Do. Spinning frames. Paul Moody, Boston Fe	b. 19,	
Cloth, machine for shearing. Z. Carey, Oxford co. Maine Fe	b. 20,	
Clothes, dry scouring. Thomas L. Jenning, New York - Marc		
Chimney and fire-place. Obadiah Dilano, Utica, New York Marc	. ~ .	***
Crank, anti-friction for steam engines. Benjamin S. Oliver,	0,	
	h O	
Salem, Mass Marc	h 9,	
Candles, machine for dipping. John Aborn, Nottingham, N. J. Marc	n 20,	
Cordage, improvement in the top sled for. Robert Graves,		
Boston, Mass Marc	h 28,	
Corn shelling machine, improvement in the. Noah Lindsey,		
	h 28,	
Churn, improvement in the. Adam Severt, Saratoga, N. Y. Api	il 9,	
, ,	,	

Carding machine, improvement in the. Joshua Woodward,		1
Franklin township, Ohic May	2,	1821
Cutting clothes by rules. Allen Ward, Huntsville, Alabama, June	16,	
Cock for drawing liquors, improvement in the. F. Delano,		
Philadelphia June	29.	(stee
Carriages, improvement in travelling. George H Richards,		
New London, Conn Aug.	8	_
Churning by dog power. Ceo. E. Reeve and Joseph Ketcham,	Ο,	-
	10	
	,	
Cocks for draining liquors, etc. Jonathan Bliss, New York Sept.	24,	
Cement for mortar and stucco. David Mead Randolph, Rich'd,	25	
Virginia - Sept.		* saligal
Candles, machinery used in making. Francis Fuller, N. Y. Sept.	29,	
Chimneys, improvement in the stacks of. Frederick Grey,		
Baltimore Oct.	8,	-
Cotton, machine for packing. John Cook, Fayetteville, N. C. Oct.	12,	Wi bo
Chains for cables, improvement in. I. Jennings, N.Y Oct.	29,	
Clocks, improvement in. Joshua Burritt and W. P. Burdick,		
Ithaca, New York Oct.	25,	4-
Canals, roads, etc. machine for digging. John Humes, Richm'd,	•	
Virginia Nov.	10.	w.
Chair, improvement in the rocking sofa. B. Fenny, Readsbor ?,	,	
Vermont Nov:	22.	
Condensers, improvement in the steam. Thomas Skidmore,	,	
New York Dec.	1,	
Candles, machine for making. James Yard, Trenton, N. J. Dec.		
	т,	
Cotton yarn, improvement in manufacturing. Erastus Wolcott,	11	
Newport, New York Dec.	,	
Corsets, improvement in. Wm. James, Cantelo, New York Dec.		40
		-
Cupola furnace, improvement in the. Henry Worall, N. Y. Dec.		
Clocks, improvement in the machinery of. — Dean, Dec.	31,	
Clocks, improvement in the machinery of. ———————————————————————————————————	31,	1822
Clocks, improvement in the machinery of. ———————————————————————————————————	31, 28,	
Clocks, improvement in the machinery of. ———————————————————————————————————	31, 28, 13,	
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March	31, 28, 13,	
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey,	31, 28, 13, 21,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia - March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore - April	31, 28, 13, 21,	1822
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Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford,	31, 28, 13, 21, 23, 27,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia - March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore - April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut - April Cock, stop. John Morris, New Haven, Conn. — May	31, 28, 13, 21, 23, 27,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut — April	31, 28, 13, 21, 23, 27, 15,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia - March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore - April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut - April Cock, stop. John Morris, New Haven, Conn. May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia - May	31, 28, 13, 21, 23, 27, 15,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut — April Cock, stop. John Morris, New Haven, Conn. — May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia — May Churn, improvement in the. Benjamin Hayden. jr. Trenton,	31, 28, 13, 21, 23, 27, 15,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut — April Cock, stop. John Morris, New Haven, Conn. — May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia — May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey — June	31, 28, 13, 21, 23, 27, 15,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut — April Cock, stop. John Morris, New Haven, Conn. — May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia — May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey — June Churn, improvement in the. Eleazer Brown, and Ansel Keith,	31, 28, 13, 21, 23, 27, 15, 20,	1822
Clocks, improvement in the machinery of. —— Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia —— March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore —— April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut —— April Cock, stop. John Morris, New Haven, Conn. —— May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia —— May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey —— June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y. —— June	31, 28, 13, 21, 23, 27, 15, 20,	1822
Clocks, improvement in the machinery of. —— Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia —— March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore —— April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut —— April Cock, stop. John Morris, New Haven, Conn. —— May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia —— May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey —— June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y. —— June Cider, mode of fermenting apple. William Elder, New Brunswick,	31, 28, 13, 21, 23, 27, 15, 20, 15, 19,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia - March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore - April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut - April Cock, stop. John Morris, New Haven, Conn May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia - May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey - June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y June Cider, mode of fermenting apple. William Elder, New Brunswick, New Jersey - Aug.	31, 28, 13, 21, 23, 27, 15, 20, 15, 19,	1822
Clocks, improvement in the machinery of. —— Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia —— March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore —— April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut —— April Cock, stop. John Morris, New Haven, Conn. —— May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia —— May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey —— June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y. —— June Cider, mode of fermenting apple. William Elder, New Brunswick, New Jersey —— Aug. Cutting box, improvement in the. William Willis, Lynchburg,	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21,	1822
Clocks, improvement in the machinery of. ———————————————————————————————————	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21, 24,	1822
Clocks, improvement in the machinery of. —— Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia —— March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore —— April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut —— April Cock, stop. John Morris, New Haven, Conn. —— May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia —— May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey —— June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y. —— June Cider, mode of fermenting apple. William Elder, New Brunswick, New Jersey —— Aug. Cutting box, improvement in the. William Willis, Lynchburg, Virginia —— Aug. Coffee, machine for hulling. Nathan Read, Belfast, Maine Sept.	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21, 24,	1822
Clocks, improvement in the machinery of. ———————————————————————————————————	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21, 24, 10,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut — April Cock, stop. John Morris, New Haven, Conn. — May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia — May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey — June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y. — June Cider, mode of fermenting apple. William Elder, New Brunswick, New Jersey — Aug. Cutting box, improvement in the. William Willis, Lynchburg, Virginia — Aug. Coffee, machine for hulling. Nathan Read, Belfast, Maine Sept. Churn, improvement in the. Samuel Clark, Morris county, New Jersey — Oct.	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21, 24, 10, 4,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut — April Cock, stop. John Morris, New Haven, Conn. — May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia — May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey — June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y. — June Cider, mode of fermenting apple. William Elder, New Brunswick, New Jersey — Aug. Cutting box, improvement in the. William Willis, Lynchburg, Virginia — Aug. Coffee, machine for hulling. Nathan Read, Belfast, Maine Sept. Churn, improvement in the. Samuel Clark, Morris county, New Jersey — Oct. Coopers' work, machinery for, Horace Wright, Onondaga, N. Y. Oct.	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21, 24, 10, 4,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut — April Cock, stop. John Morris, New Haven, Conn. — May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia — May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey — June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y. — June Cider, mode of fermenting apple. William Elder, New Brunswick, New Jersey — Aug. Cutting box, improvement in the. William Willis, Lynchburg, Virginia — Aug. Coffee, machine for hulling. Nathan Read, Belfast, Maine Sept. Churn, improvement in the. Samuel Clark, Morris county, New Jersey — Oct. Coopers' work, machinery for, Horace Wright, Onondaga, N. Y. Oct. Cloth, improvement in the machine for shearing. Ezekiah Heald,	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21, 24, 10, 4, 23,	1822
Clocks, improvement in the machinery of. — Dean, Dec. Chaff, machine for breaking, etc. John Bolton, Warren, N. Y Jan. Chairs, improvement in nursing. Andrew Woods, Charlestown, Jefferson co. Virginia — March Clock cases, improvement in. Joseph Ives, Bristol, Vt. March Cock, improvement in the metallic screw. Jeremiah Carey, Baltimore — April Clover seed, machine for getting out. William Loomis, Ashford, Connecticut — April Cock, stop. John Morris, New Haven, Conn. — May Cordage, machine for pressing the tar out of. Thomas Barnitt, Philadelphia — May Churn, improvement in the. Benjamin Hayden. jr. Trenton, New Jersey — June Churn, improvement in the. Eleazer Brown, and Ansel Keith, Winfield, N. Y. — June Cider, mode of fermenting apple. William Elder, New Brunswick, New Jersey — Aug. Cutting box, improvement in the. William Willis, Lynchburg, Virginia — Aug. Coffee, machine for hulling. Nathan Read, Belfast, Maine Sept. Churn, improvement in the. Samuel Clark, Morris county, New Jersey — Oct. Coopers' work, machinery for, Horace Wright, Onondaga, N. Y. Oct. Cloth, improvement in the machine for shearing. Ezekiah Heald, Norridgwork, Maine — Dec.	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21, 24, 10, 4,	1822
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Clocks, improvement in the machinery of. ———————————————————————————————————	31, 28, 13, 21, 23, 27, 15, 20, 15, 19, 21, 24, 10, 4, 23, 4,	1822
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Clover seed, machine for cleaning. Nathan Mills and Isaac Rogers, Bath, New Hampshire - Jan.	11	1823
Clatter warm washing for minning. Elish Puller Attlebonoush	14,	1023
Cotton yarn, machine for spinning. Elisha Fuller, Attleborough, Massachusetts Feb.	6,	
Carpeting, improvement in making ingrain. Wm. A. Prince,	10	
New York Feb.		
Corn, machine for shelling. Samuel Spooner, Petersham, Mass. Feb.	27,	
Cotton, improvement in the machine for cleaning. W. Hopkins, Plainfield, Conn March	6,	***
Cotton, improvement in the machine for cleaning. George T.	,	100
Sadler, Lawrence co. Alabama March	10	-
Cradle, improvement on the grain. Isaac Babcock, Rensselaer	10,	_
county, N. Y March	94	-
	′	
Combs, mode of manufacturing. Ira Ives, Bristol, Conn. April		
Corn sheller, improvement in the. William E. Sheffield, N. Y. April	15,	pre-
Chair, improvement in the easy. Joseph D. Finney, Keene,	_	
New Hampshire May	8,	
Clocks, wooden wheeled, thirty hour. Ely Terry, Plymouth,		
Connecticut May	26,	
Clover seed, machine for cleaning. Thomas D. Burrall, Geneva,		
New York June	5,	
Cotton gins, making saws and grates for. Eleazer Carver, jun'r,	- 1	
Bridgwater, Mass June	12.	-
Cotton gins, improvement in. Eleazer Carver, jun. Bridgewater,	,	
Massachusetts June	13.	
Cotton, improvement in manufacturing. John T. Sharrocks,	10,	
Winchester, Va June	90	
	20,	-
Cultivator, improvement in the. Stephen Hubbard and Joseph	01	
Greaves, Wilmington, Vt.		-
Cock, improvement in the stop. Gaius Fenn, New York - July		
Carriages, construction of. John B. Swan, Albany, New York July		
Circular saws, improvement in. John Brown, Boston - Aug.	13,	
Chairs, machine for boring holes in. David Johnson, Richmond		
Ohio Sept.	19,	`~-
Corn stalks, machine for cutting. A. Glendenning, Butler co.		,
Pennsylvania Sept.	25,	-
Circular saws, improvement in making. Silvanus Bonnel, Chatham		
New Jersey Sept.	26.	***
Crucibles, improvement in making. James Dalliba, Watervliet,	-,	
New York Sept.	26.	
Carding machine, improvement in the. P. C. Curtis, Paris, Oneida	,	
county, New York Oct.	15	•••
Cutting out clothes, mode of. Ethan Campbell, Philadelphia Nov.	′	
Canal locks, improvement in. Jonas P. Fairlamb, Wilmington,	٠,	
	07	
Delaware Nov.	17	
Cocks for drawing liquids. Eli Dickinson, Amherst Mass. Dec.	11,	
Cotton scraper, improvement in the. Horatio Stark, Wilkinson		1004
county, Miss Feb.	3,	1824
Cloth shearing machine, improvement in the. Beriah Swift,	_	
Washington, N. Y Feb.	7,	
Cotton, improvement in the process of manufacturing. Elisha		
Congdon, Norwich, Conn March	12,	-
Copper bolts, making. Berg and Ivers, New York, - March	15,	
Carriages, wheel improvement in. Bernard J. Malfeson,	bi ti	
Burlington N. J April	6.	-
Corn shelling machine, improvement in the. Lemuel Peck,		
Brookfield, Ct April	9,	-
Corn shelling machine, improvement in the. John Moon, Fall's	-,	
township, Bucks co. Penn April	20	dese
Sotton plant, improvement in cultivating the. S. W. Pomeroy,	~u,	
	6.	**
Brighton, Mass.	4.	,

Clover seed, machine for cleaning. Isaac H. Haskin, Columbia,		
	6,	1824
Cement, improvement in fire-proof. H. Heiner, Mifflin township, Pennsylvania May	10,	
Crossing or colapsing lever power. William Scarbrough, Darien,		
Georgia May	19,	-
Corn shelling machine, improvement in the. Hiram Hubbard, Palmyra, N. Y June	17,	4
Carriage springs, improvement in. Lemuel H. Parsons, Stock-	ລາ	
bridge, Mass June Carding machine, improvement in the. C. Whiting, S. Lowder,	23,	-
and S. Lowder, jr. Dedham, Mass June	25	_
Chimneys, curing smoky. Samuel Chase, Williamsport, Penn. July		
Crimping boots. Ebenezer, G. Pomeroy, Lancaster, Ohio July		,
Cotton gin, running gear for the. Brittain Huckaby, Huntsville,	,	
Alabama Aug.	16.	
Cutting straw, stocks, &c. Noah Safford, Springfield, Vt. Aug,		
Cotton roping, machine for making. George Danforth, Norton,		
Massachusetts Sept.		
Crank wheel motion. James Wallace, Columbia, S. C. Sept.	25,	
Curriers' knives, machine for sharpening. James Bachelder,		
New Hampshire Nov.		77.0
Corn shelling machine. Lewis Whitney, New York - Nov.		
Corn shelling machine. Benjamin Crooker, New York - Dec.	. 2,	
Combs, mode of cutting. Joel Brown, Springfield, Mass. Dec.	8,	-
Cheese press, improvement in the. Joseph Pride, Pottsdam,	,	
New York Dec.		
Cellars, vaults, &c. construction of. E. Ludlow, N. Y Dec.		
Cloth shearing machine. Wm. Hovey, Worcester, Mass. Dec.		
Corn shelling machine. Alanson Little, Columbia, Conn. Dec.	,	
Cutting and rolling crackers. Daniel Pool, Philadelphia - Dec.	24,	
Clapboards, machine for sawing. E. Pray, E. Benjamin, and J. S.	00	
Stone, Livermore, Maine Dec. Corn sheller, improvement in the. Peirson Reading, Trenton,	90,	
New Jersey Dec.	97	
Coffee, machine for hulling and cleaning. Roswell Abbey, N. Y. Jan.		1825
Cordage, machine for manufacturing. Franklin Kellsey, Middle-	-,	20,00
town, Conn Feb.	8,	
Condensing steam and cooling liquor. Benjamin F. Joslin, N. Y. Feb.	9,	
Chimneys and fire places. Lewis Kingsbury, Livonia, N. Y. Feb.	9,	
Clover and other seeds, machine for cleaning. B. Sutton, Romulus,	,	
New York Feb.	10,	
Cooking apparatus, portable. David Asher, Philadelphia Feb.	18,	
Carding machine, wool. E. Hale, jr. S. Hale, and J. Hale,		
Haverhill, Mass Feb.		- marine
Carding, improvement in wool. N. Rider, Sturbridge, Mass. March	12,	
Centre-board, used in vessels. G. Fountain, Staten Island,		
New York March	15,	-
Changing the motion of machinery. Ottis Pettee, Newton,		
Massachusetts March	15,	
Cotton, separating the seed from. Joseph C. and Thadeus Leavitt,	0.4	
Suffield, Conn March		-
Cleth machine for accounts and fulling H. Hickory Butland	19,	
Cloth, machine for scouring and fulling H. Hickox, Rutland, New York March	96	
New York March Cloth, manufacturing into yarn. Luther Crane, Ware, Mass. March		
Churn, improvement in the. John P. Bortle, Claverack, Columbia	۵٠,	
county, N. Y April	14	
Corn, shelling and grinding. Samuel Fowkes, Catskill, N. Y. May		
Corn shelling machine. Francis Price, New York - May		
Cotton, packing. Webb Hart, Petersburg, Va. May	"	-

Clocks, astronomical. Henry Miller, East Hanover, Lebanon,			
	May	5,	1825
Churn, impt. in the. Asa Humphrey, Gray, Maine -	May	9,	
Cutter, rivet and bolt. Holly Seely, Unadilla, New-York -	May	12.	
Cloth, improvement for raising the nap of. Job Wilkinson,		′	
	May	12	
Clocks, wooden wheeled 30 hours. Eli Terry, Plymouth, Conn.			
Clocks, wooden wheeled so hours. En letty, Trymouth, Conn.	May	10,	_
Cotton planting, impt. in the mode of, C. Ford, Painville,	3.5	00	
	May	26,	
Coaches, impt. in making posts. Richard Ward, Schenectady,			
New-York	June		-4
Cloth, machine for templing. Philo C. Curtis, Paris, New-York	June	16,	
Coffee, machine for roasting. Peregrine Williamson, Baltimore,			
	June	18.	
Coal, impt. in a kiln for charing. Conrad Kownslar, Mill Creek,		,	
	June	90	
Compabilities marking irent in the William C. Hawler N.V.			
Corn shelling machine, impt. in the. William C. Hawley, N-Y.	June	22,	
Corn, impt. in the machine for shelling. John Moore, Morris-	_		
	June		
Cloth, impt. in the machine for napping. S. Marsh, Fairfax, Vt.	July	20,	
	July		
Corn shelling machine, impt. in. Samuel Lane, Hallowell,	•		
Maine	Sep'	r 9.	
Clocks, wooden wheeled 30 hours. Eli Terry, Plymouth, Conn.	Sen'	r 0	
Combs, impt. in a machine for cutting P Pratt, New-York -	Sep.	19,	,
Carriage, impt. in the Calash top. G. Holloway, Baltimore, Md.		г 9,	
Cotton packing, machine for. Lewis Layssard, Haiifax, North-			
	Sep.		-
Churn, double dash. Ezekiel Waterhouse, Gardiner, Maine -	Sep.	29,	**
Coffee, mode of extracting strength of roasted. Lewis Martelly,		1	
New-York	Sep.	30.	lum.
New-York Cotton, impt, in the machine for pressing. J. N. Gordon, Ply-	Sep.	30,	L
Cotton. impt. in the machine for pressing. J. N. Gordon, Ply-			<u>-</u>
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C.	Oct.	8,	lum,
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y.	Oct.	8,	2000 2000
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney,	Oct.	8, 25,	270 270
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont	Oct. Oct.	8, 25,	270 270 270
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I.	Oct. Oct. Nov.	8, 25,	200 200 200 200
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster,	Oct. Oct. Nov. Nov.	8, 25, 1, 1,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster,	Oct. Oct. Nov. Nov.	8, 25, 1, 1,	270 270 270 270
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp.	Oct. Oct. Nov.	8, 25, 1, 1,	2000 2000 2000 2000 2000 2000
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madi-	Oct. Oct. Nov. Nov.	8, 25, 1, 1,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio	Oct. Oct. Nov. Nov. Nov.	8, 25, 1, 1, 1, 3, 4,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a	Oct. Oct. Nov. Nov. Nov. Nov.	8, 25, 1, 1, 3, 4, 8,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey	Oct. Oct. Nov. Nov. Nov. Nov.	8, 25, 1, 1, 3, 4, 8,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Water-	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Nov.	8, 25, 1, 1, 3, 4, 8, 18,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Water- ville, N-Y.	Oct. Oct. Nov. Nov. Nov. Nov.	8, 25, 1, 1, 3, 4, 8, 18,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Water- ville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn.	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Nov. Nov. Nov	8, 25, 1, 1, 3, 4, 8, 18, 22,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Chatham, Conn.	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Nov.	8, 25, 1, 1, 3, 4, 8, 18, 22,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Chatham, Conn.	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Nov. Nov. Nov	8, 25, 1, 1, 3, 4, 8, 18, 22,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Chatham, Conn. Cutting paper, machine for. John McClintick and George	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Nov. Dec.	8, 25, 1, 1, 3, 4, 8, 18, 18, 22, 5,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Chatham, Conn. Cutting paper, machine for. John McClintick and George Faber, Chambersburg, Penn.	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Nov. Dec. Dec.	8, 25, 1, 1, 3, 4, 8, 18, 22, 5,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Anon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Chatham, Conn. Cutting paper, machine for. John McClintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn,	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Dec. Jan.	8, 25, 1, 1, 3, 4, 8, 18, 22, 5,	- - - - - - - - - - - - - - - - - - -
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Anon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Chatham, Conn. Cutting paper, machine for. John McClintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn, Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md.	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Nov. Dec. Dec.	8, 25, 1, 1, 3, 4, 8, 18, 22, 5,	
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Annon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Chatham, Conn. Cutting paper, machine for. John McClintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn, Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md. Cooking apparatus, impt. in a. John Bouis, 78, Baltimore st.	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Dec. Jan. Jan.	8, 25, 1, 1, 3, 4, 8, 18, 18, 22, 5, 11, 16,	1826
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Atnon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hainp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, inpt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting eurds, &c. James Buck, Cha ham, Conn. Cutting paper, machine for. John M'Clintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn, Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md. Cooking apparatus, impt. in a. John Bouis, 78, Baltimore st. Baltimore	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Dec. Jan.	8, 25, 1, 1, 3, 4, 8, 18, 18, 22, 5, 11, 16,	- - - - - - - - - - - - - - - - - - -
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Chatham, Conn. Cutting paper, machine for. John McClintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn. Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md. Cooking apparatus, impt. in a. John Bouis, 78, Baltimore st. Baltimore Corns, tincture for curing. Elisha Smith, New Brunswick,	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Dec. Jan. Jan,	8, 25, 1, 1, 3, 4, 8, 18, 18, 22, 5, 11, 16, 19,	1826
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Atnon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hainp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, inpt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting eurds, &c. James Buck, Cha ham, Conn. Cutting paper, machine for. John M'Clintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn, Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md. Cooking apparatus, impt. in a. John Bouis, 78, Baltimore st. Baltimore Corns, tincture for curing. Elisha Smith, New Brunswick, New-Jersey	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Loc. Jan. Jan, Jan.	8, 25, 1, 1, 3, 4, 8, 18, 18, 22, 5, 11, 16, 19, 20,	1826
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Atnon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hainp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, inpt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting eurds, &c. James Buck, Cha ham, Conn. Cutting paper, machine for. John M'Clintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn, Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md. Cooking apparatus, impt. in a. John Bouis, 78, Baltimore st. Baltimore Corns, tincture for curing. Elisha Smith, New Brunswick, New-Jersey	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Dec. Jan. Jan,	8, 25, 1, 1, 3, 4, 8, 18, 18, 22, 5, 11, 16, 19, 20,	1826
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Atnon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hainp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, inpt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting eurds, &c. James Buck, Cha ham, Conn. Cutting paper, machine for. John M'Clintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn, Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md. Cooking apparatus, impt. in a. John Bouis, 78, Baltimore st. Baltimore Corns, tincture for curing. Elisha Smith, New Brunswick, New-Jersey	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Loc. Jan. Jan, Jan.	8, 25, 1, 1, 3, 4, 8, 18, 18, 22, 5, 11, 16, 19, 20,	1826
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Cha'ham, Conn. Cutting paper, machine for. John M'Clintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn, Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md. Cooking apparatus, impt. in a. John Bouis, 78, Baltimore st. Baltimore Corns, tincture for curing. Elisha Smith, New Brunswick, New-Jersey Cooking stove, impt. in the. David Little, Hagerstown, Md. Cotton, cleaning Sea Island. Jesse Reed, Marshfield, Plymouth,	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Lec. Jan. Jan, Jan. Feb.	8, 25, 1, 1, 3, 4, 8, 18, 18, 5, 16, 19, 20, 1,	1826
Cotton. impt. in the machine for pressing. J. N. Gordon, Plymouth, N. C. Canal boats, machine for raising. S. Doolittle, Rochester, N-Y. Corn shelling machine, impt. in the. Amon Bailey, Poultney, Vermont Chiro velocipede, impt. in. Gideon Barker, Providence, R. I. Currier's knife, impt. in the. James Batchelder, Lancaster, N. Hamp. Cast iron shoes, for horses, impt. in. S. W. Whitman, Madison, Ohio Cultivator, impt. in the teeth, &c. f. William Beach, Phil'a Coach lace, making, William G. Barnet, Newark, N. Jersey Cutter, in the punch rivet and screw. L. C. Judson, Waterville, N-Y. Combs, in cutting Philo Pratt, Meredin, Conn. Churn, cutting curds, &c. James Buck, Cha'ham, Conn. Cutting paper, machine for. John M'Clintick and George Faber, Chambersburg, Penn. Cement, water. Simeon Guilford, Lebanon, Penn, Carriages, mode of retarding. Ezra Slifer, Boonsborough, Md. Cooking apparatus, impt. in a. John Bouis, 78, Baltimore st. Baltimore Corns, tincture for curing. Elisha Smith, New Brunswick, New-Jersey Cooking stove, impt. in the. David Little, Hagerstown, Md. Cotton, cleaning Sea Island. Jesse Reed, Marshfield, Plymouth,	Oct. Oct. Nov. Nov. Nov. Nov. Nov. Lec. Jan. Jan, Jan. Feb.	8, 25, 1, 1, 3, 4, 8, 18, 18, 5, 16, 19, 20, 1,	1826

	Cotton, machine for cultivating. Francis H. Smith, Richmond,			
	Virginia,	Feb.	15.	182€
	Clocks, wooden wheel 30 hours: (re-issued.) E. Terry, Ply-			
		Mar.	4,	-
	Chests, wrought iron. Jesse Delano, New-York	Mar.	7.	
	Candles, machinery for dipping. William Day, Gardiner, Me.			
	Currying leather, knife for. Freeman Palmer, New-Hamp	Mar.	17.	, 4140
	Cotton press. Gideon Glenn, Louisburg, North-Carolina -	April	12	-
	Carpeting, loom for weaving. Horace Baker, North Salem,	23 P 2 11	, _ ~,	
		April	14	· ·
	Carronades, &c. elevating screw for Enoch Hidden, N. Y.	April	26	***
	Cotton press, combined lever. Eml. Venear, Halifax, N. Car.			-
	Canals, machine for excavating. Lot Forrester, Ridgefield,	May	10,	
		Mav	10	
	Cordage, machine for making. Erastus Bartholomew, Boston			4110
		May	17,	-
	Chain cables, Do Do	May	11,	
	Circular saw. William Kendall, jr. Maine	May	10,	
	Carts and wagons, mode of loading. Noah Osborn, Fairfield,	7.5	00	
		May	23,	**
	Canals, inclined rail-way for removing earth from. William H.		~~	
		May		
	Chimneys, improvement in. A. G. D. Tuthill, Utica, N. Y.	June	8,	-
	Cotton, mode of taking from the doffer. Elijah Thompson,		_	
		June	9,	
	Cotton and wool, machine for spinning. William Carmichael,			
		June	10,	
	Cotton, flax and wool, rolling or twisting. William White-	-		
	head, jr. Patterson, New-Jersey	June	14,	
	Cataract, instrument used for the. Thomas R. Williams, Phil-			_
	adelphia	June	14,	
	Corn shelling machine. Jeremiah Dodson, Guilford, N. Carolina	June	15,	
	Clocks, 30 hours, wooden wheeled. Eli Terry, Plymouth, Conn.		•	
	(re-issued.)	July	5,	
	Cleave harrow for clearing ground. Lemuel Tam, Sussex coun-			
	ty, Delaware	July	11,	
		July		`
	Composition, applied to wool: Ziba Parkhurst, Grafton, Mass.			
	Carding machine, improvement in. James H. Arnold, Belmont,	8	. '	
		Sep.	25.	
	Cellars and vaults, mode of constructing. Henry Hallock,	P.	-	
	New-York	Oct.	24.	****
	Corn, machine for shelling. Elijah Russel, Greensboro' N. C.			
	Cannon, method of discharging. Henry Whitcomb. Adams,	000	~ -,	
		Oct.	95	-
		000	~0,	
	Currying knife, constructing and grinding the. Samuel Brooks, New-York	Nov.	12	₩.
	Cabbage machine for cutting. F. Berkemeger and J. Dengler,	1404.	10,	•
		Nov.	11	
	Corn, machine for husking. Howlet Bushnell, Norwich Conn.			40.60
				D) ni
	Cotion gin, mode of propelling the. Peter Knox, Augusta Ga.	Dec.	45	
	Coal sifter, improvement in the revolving. Thomas Borbidge	Des	20	
		Dec.		1007
	Cement, water proof. Simeon Guilford, Washington, D. C.	Jan.	10,	1033
	Corn, machine for shelling. Edward Newman, Guilford county,	77. 7	-	
1		Feb.	7,	
		Feb.	9,	-
	Churn, improvement in the rocking. John G. Philip, Kin-	· .	• •	. ,
		Feb.	15,	9 120
	Cotton, improvement in the mode of packing. William C.	-		
		Feb		dia Cv
	Conners in the method of making Isaac Tyson Raltimore	Feh	15	0.0

Cotton, machine for pressing. Philemon White, Chatham coun-		
tv. N. Car	Feb. 19,	1827
Cutting garments, mode of. James G. Wilson, N. York	Feb. 28,	***
Cutting hard substances, machine for. John H. Hall, Harper's		
	Mon 7	
2 011/1 / 11/2/11/2	Mar. 7,	
Chimneys, wheel dampers for. James Reiley and John Flana-		
gan, Waynesburg, Penn	Mar. 10,	
Corn sheller, longitudinal. George E. Waring, Poundridge,		
	Mar. 16,	
Churn, improvement in the. Samuel L. Bagley, Hillsdale,	01	
	Mar. 21,	900 mm
Cotton 10ben, prepared for spinning. Gilbert Brewster, Pough-		
Ironneio New-Vorlz	Mar. 28,	
Cider mill, improvement in the. Constant H. Wicks, Paris,	,	
	A	
	April 9,	-
Clay tubes, improvement in making. John R. Rowel and Henry		
Wise, Fredericktown, Penn	May 10,	
Canals, safety gate for. Jacob Van-Dorn, Clen, Montgomery	• '	
occupies Nous Vouls	May 14,	
county, New-York	may 14,	-,-
Cock for hydrants, improvement in the valve. Benjamin Stan-		
cliffe, Philadelphia	May 15,	
Cotton press, improvement in the. Richard Jarnigan, Waynesbo-		
rough, North-Carolina	May 15,	
a daging a continu	,	
Cleaning Machine, for wheat, rye, &c. John Tyler, Claremont,	May 18,	
New-Hampshire	May 18,	
Carts for removing earth, improvement in. Jeremiah Price,		
Lockport, New-York	May 18,	
Churn, improvement in the. Levi Rosenkrans, Urbanna, N. Y.	May 19.	***
Com machine for enuching with the seh S. I. County Creen.	1.20.5	
Corn, machine for crushing with the cob. S. K. Gauntt, Green-	M 05	
ville, Tennessee	May 25,	
D		
D		
D		
Distilling of liquor Aspen Butnern Medford Moss	Ion 90	1701
	Jan. 29,	
Distilling. Nathan Reed, Salem, Mass	Jan. 29, Aug. 29,	
Distilling. Nathan Reed, Salem, Mass		
Distilling. Nathan Reed, Salem, Mass Docks or harbors, machine for cleaning or deepening. P. Za-	Aug. 29,	
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md.	Aug. 29, Nov. 24,	
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. Charie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va.	Aug. 29, Nov. 24, Mar. 4,	 1794
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. Charie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey	Aug. 29, Nov. 24, Mar. 4, Feb. 14,	 1794
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver,	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14,	1794 1798
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver,	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14,	1794 1798
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14,	1794 1798
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation.	Aug. 29, Nov. 24, Mař. 4, Feb. 14, Dec. 14, Nov. 16,	1794 1798 1796
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13,	1794 1798 1796 1802
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3,	1794 1798 1796 1802
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13,	1794 1798 1796 1802
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3,	1794 1798 1796 1802
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14,	1794 1798 1796 1802
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken.	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8,	1794 1798 1796 1802 1803
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken.	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23,	1794 1798 1796 1802 1803 1804
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8,	1794 1798 1796 1802 1803
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill.	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17,	1794 1798 1796 1802 1803 1804
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill.	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17,	1794 1798 1796 1802 1803 1804
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass.	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17,	1794 1798 1796 1802 1803 1804
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass. Distillation. See Boiling.	Aug. 29, Nov. 24, Mar. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17,	1794 1798 1796 1802 1803 1804
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass. Distillation. See Boiling. Dye woods, machine for grinding, sawing. John Matthews,	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17, Nov. 1,	1794
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass. Distillation. See Boiling. Dye woods, machine for grinding, sawing. John Matthews, Philadelphia	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17, Nov. 1, Aug. 13	1794
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass. Distillation. See Boiling. Dye woods, machine for grinding, sawing. John Matthews, Philadelphia Distilling apparatus. A. Heistand, Yorktown, Penn.	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17, Nov. 1, Aug. 13 Nov. 27	1794 1798 1796 1802 1803 1804
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass. Distillation. See Boiling. Dye woods, machine for grinding, sawing. John Matthews, Philadelphia	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17, Nov. 1, Aug. 13 Nov. 27	1794 1798 1796 1802 1803 1804
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass. Distillation. See Boiling. Dye woods, machine for grinding, sawing. John Matthews, Philadelphia Distilling apparatus. A. Heistand, Yorktown, Penn. Dough, machine for making. Geo. Richards, Stonington, Conn.	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17, Nov. 1, Aug. 13 Nov. 27	1794 1798 1796 1802 1803 1804
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass. Distillation. See Boiling. Dye woods, machine for grinding, sawing. John Matthews, Philadelphia Distilling apparatus. A. Heistand, Yorktown, Penn. Dough, machine for making. Geo. Richards, Stonington, Conn. Dressing flax. Elisha Mack	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17, Nov. 1, Aug. 13 Nov. 27 Feb. 14, Mar. 21,	1794
Distilling. Nathan Reed, Salem, Mass. Docks or harbors, machine for cleaning or deepening. P. Zacharie, Baltimore, Md. Distilling spiritous liquor. Joseph Simpson, Richmond, Va. Duck sail weaving. James Davenport, New-Jersey Docks and harbors, a machine for cleaning. Stephen Colver, Dough and paste, breaking. Daniel Pettibone Distilling. See Evaporation. Docks, machine for cleaning out. John Greenleaf Dry docks, improvement in erecting. John Gardiner Distilling spirits, improvement in. Daniel Ilsley Distillation by steam, in wooden or other stills. E. and Thomas West, Fayetteville co. Ken. Double draught fire place. Talmage Ross Double steam bath still. John James Giraud Double crank. See Fulling Mill. Dough, machine for breaking. Laban Folgfir, Hingham, Mass. Distillation. See Boiling. Dye woods, machine for grinding, sawing. John Matthews, Philadelphia Distilling apparatus. A. Heistand, Yorktown, Penn. Dough, machine for making. Geo. Richards, Stonington, Conn. Dressing flax. Elisha Mack Diving machines. Richard Tripe, Dover, New Hampshire	Aug. 29, Nov. 24, Maf. 4, Feb. 14, Dec. 14, Nov. 16, July 13, Dec. 3, May 14, July 8, Jan. 23, April 17, Nov. 1, Aug. 13 Nov. 27 Feb. 14,	1794
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Distilling or boiling water. Eli Barnum and Ben. Brooks, New Marlboro' Mass
Door hinge. See Friction Roller. Double lever press. Caleb Johnson, New Glasgow, Va June 3, - Dye woods, machine for rasping. Jesse Reed, Boston - June 3, - Distilling. E. Barnum and B. Brooks, New Marlboro', Mass July 13, - Double. See Boiler. Dipping. See Candles. Distilling apparatus. A. Bouchrie, Philadelphia - Jan. 3, 1809 Dying of silk goods, machine for W. Barret - June 27, - Dye wood, machine for cutting. E. Hubbell, Middlebury, Vert. June 27, - Delaware Spinner. J. Alricks, Wilmington, Del Oct. 11, - Distilling apparatus. W. Chamberlain, Vert Mar. 17, 1810 Dough, machine for breaking. C. Barnard, Nantucket, Mass. Distilling apparatus. A. Tobey, Alford, Mass June 21, - June 17, - June 17, - June 18, - June 19,
Double lever press. Caleb Johnson, New Glasgow, Va June 3, - Dye woods, machine for rasping. Jesse Reed, Boston - June 3, - Distilling. E. Barnum and B. Brooks, New Marlboro', Mass July 13, - Double. See Boiler. Dipping. See Candles. Distilling apparatus. A. Bouchrie, Philadelphia - Jan. 3, 1809 Dying of silk goods, machine for W. Barret - June 27, Dye wood, machine for cutting. E. Hubbell, Middlebury, Vert. June 27, Delaware Spinner. J. Alricks, Wilmington, Del Oct. 11, Distilling apparatus. W. Chamberlain, Vert Mar. 17, 1810 Dough, machine for breaking. C. Barnard, Nantucket, Mass. April 17, Distilling apparatus. A. Tobey, Alford, Mass June 21, July 13, June 21, July 13, July 14, July 15, July 15, July 16, July 17, July 17, July 18, J
Dye woods, machine for rasping. Jesse Reed, Boston June 3, — Distilling. E. Barnum and B. Brooks, New Marlboro', Mass July 13, — Double. See Boiler. Dipping. See Candles. Distilling apparatus. A. Bouchrie, Philadelphía June 27, — Dego silk goods, machine for W. Barret June 27, — Delaware Spinner. J. Alricks, Wilmington, Del. — Oct. 11, — Distilling apparatus. W. Chamberlain, Vert. — Mar. 17, 1810 Dough, machine for breaking. C. Barnard, Nantucket, Mass. April 17, — Distilling by steam. John Morris Bennet, Middletown, Conn. Distilling apparatus. A. Tobey, Alford, Mass. — June 21, — Drying grain of all kinds. B. Parry, Bucks co. Penn. — July 7, — Distilling. M. Garden, Staunton, Va. — — July 13, — Juraining plough. Stephen Hall, Boston — July 13, — Juring dress. Chauncey Hall, Conn. — — Aug. 13, — Drying dress. Chauncey Hall, Conn. — — — Aug. 17, — Drying dress. Chauncey Hall, Conn. — — — — — — — — — — — — — — — — — —
Distilling. E. Barnum and B. Brooks, New Marlboro', Mass July 13, — Double. See Boiler. Dipping. See Candles. Distilling apparatus. A. Bouchrie, Philadelphia - Jan. 3, 1809 Dying of silk goods, machine for W. Barret - June 27, — Dye wood, machine for cutting. E. Hubbell, Middlebury, Vert. June 27, — Delaware Spinner. J. Alricks, Wilmington, Del Oct. 11, — Distilling apparatus. W. Chamberlain, Vert Mar. 17, 1810 Dough, machine for breaking. C. Barnard, Nantucket, Mass. April 17, — Distilling by steam. John Morris Bennet, Middletown, Conn. May 1, — Distilling apparatus. A. Tobey, Alford, Mass June 21, — Drying grain of all kinds. B. Parry, Bucks co. Penn. July 7, — Distilling. M. Garden, Staunton, Va July 13, — Draining plough. Stephen Hall, Boston - July 13, — Dye woods, machine for cutting. I. Richards, 3d, Norfolk, Connecticut - Aug. 17, — Diving dress. Chauncey Hall, Conn Aug. 17, — Drying dress. Chauncey Hall, Conn Dec. 24, — Drying fuel for glass furnaces. James Lee, Philadelphia Jan. 14, 1811 Distilling. Jacob Miller, Lancaster, Penn Mar. 2, — Distilleries and kitchens. William Gamble, Washington, D. C. April 18, — Dye woods, machine for rasping. Samuel Stone, Enosburg, Va. May 3, — Distilling. J. James Giraud, Baltimore - June 14, — Distilling and refining apparatus. Jacob Sherer and Abrah'm Killan, Lancaster, Penn - June 17, — Drying house for drying fruit. S. Strong, Wilkestownship, Ohio Sep. 2, — Distilling. Lewis Lescesne, Belleville, N. J Dec. 4, — Dock, floating dry. Samuel Rose, N. Y June 15, — Distilling. Omri Carrier, Enfield Conn Nov. 2, — Distilling. John Bates, Hartford, Conn Jan. 26, — Distilling and boiling liquors. J. Morris, New Haven, Conn. Mar. 3, —
Disping. See Candles. Distilling apparatus. A. Bouchrie, Philadelphia - Jan. 3, 1809 Dying of silk goods, machine for W. Barret - June 27, Dye wood, machine for cutting. E. Hubbell, Middlebury, Vert. June 27, Delaware Spinner. J. Alricks, Wilmington, Del Oct. 11, Distilling apparatus. W. Chamberlain, Vert Mar. 17, 1810 Dough, machine for breaking. C. Barnard, Nantucket, Mass. April 17, Distilling by steam. John Morris Bennet, Middletown, Conn. May 1, Distilling apparatus. A. Tobey, Alford, Mass June 21, Drying grain of all kinds. B. Parry, Bucks co. Penn. July 7, Distilling. M. Garden, Staunton, Va July 13, Draining plough. Stephen Hall, Boston - July 13, Dye woods, machine for cutting. I. Richards, 3d, Norfolk, Connecticut Aug. 13, Domestic spinn r. E. Heavrick, Albany, N. Y Aug. 17, Diving dress. Chauncey Hall, Conn Dec. 24, Drying fuel for glass furnaces. James Lee, Philadelphia Jan. 14, 1811 Distilling. Jacob Miller, Lancaster, Penn Mar. 2, Distilling. Jacob Miller, Lancaster, Penn Mar. 2, Distilling. Andrew Dunlap, Boston - May 3, Distilling. J. James Giraud, Baltimore - June 14, Distilling and refining apparatus. Jacob Sherer and Abrah'm Killan, Lancaster, Penn - June 17, Drying house for drying fruit. S. Strong, Wilkestownship, Ohio Sep. 2, Distilling. Lewis Lescesne, Belleville, N. J Dec. 4, Dock, floating dry. Samuel Rose, N. Y June 15, Distilling. Omri Carrier, Enfield Conn Nov. 2, Distilling. John Bates, Hartford, Conn Jan. 26, Distilling and boiling liquors. J. Morris, New Haven, Conn Mar. 3,
Distilling apparatus. A. Bouchrie, Philadelphía Dying of silk goods, machine for W. Barret Dye wood, machine for cutting. E. Hubbell, Middlebury, Vert. June 27, Delaware Spinner. J. Alricks, Wilmington, Del Oct. 11, Distilling apparatus. W. Chamberlain, Vert Mar. 17, 1810 Dough, machine for breaking. C. Barnard, Nantucket, Mass. April 17, Distilling by steam. John Morris Bennet, Middletown, Conn. May 1, Distilling apparatus. A. Tobey, Alford, Mass June 21, Drying grain of all kinds. B. Parry, Bucks co. Penn July 7, Distilling. M. Garden, Staunton, Va July 13, Draining plough. Stephen Hall, Boston - July 13, Drew woods, machine for cutting. I. Richards, 3d, Norfolk, Connecticut Aug. 13, Drying dress. Chauncey Hall, Conn Dec. 24, Drying fuel for glass furnaces. James Lee, Philadelphia - Jan. 14, 1811 Distilling. Jacob Miller, Lancaster, Penn Mar. 2, Distilling. Jacob Miller, Lancaster, Penn Mar. 2, Distilling. James Giraud, Baltimore May 3, Distilling. J. James Giraud, Baltimore May 3, Distilling. J. James Giraud, Baltimore May 3, Drying house for drying fruit. S. Strong, Wilkestownship, Ohio Sep. 2, Distilling. Lewis Lescesne, Belleville, N. J Dec. 4, Dock, floating dry. Samuel Rose, N. Y June 15, Distilling. Omri Carrier, Enfield Conn Nov. 2, Distilling. Omri Carrier, Enfield Conn Nov. 2, Distilling. John Bates, Hartford, Conn Jan. 26, Distilling and boliling liquors. J. Morris, New Haven, Conn Mar. 3,
Delaware Spinner. J. Alricks, Wilmington, Del Oct. 11, - Distilling apparatus. W. Chamberlain, Vert Mar. 17, 1810 Dough, machine for breaking. C. Barnard, Nantucket, Mass. April 17, Distilling by steam. John Morris Bennet, Middletown, Conn. Distilling apparatus. A. Tobey, Alford, Mass June 21, Drying grain of all kinds. B. Parry, Bucks co. Penn July 7, Distilling. M. Garden, Staunton, Va July 13, Draining plough. Stephen Hall, Boston - July 13, Dye woods, machine for cutting. I. Richards, 3d, Norfolk, Connecticut Aug. 17, Diving dress. Chauncey Hall, Conn Dec. 24, Drying fuel for glass furnaces. James Lee, Philadelphia - Jan. 14, 1811 Distilling essential oils. D Jewet, Pitsfield Mass Jan. 24, Distilleries and kitchens. William Gamble, Washington, D. C. April 18, Dye woods, machine for rasping. Samuel Stone, Enosburg, Va. May 3, Distilling. Andrew Dunlap, Boston May 3, Distilling. J. James Giraud, Baltimore - June 14, Distilling and refining apparatus. Jacob Sherer and Abrah'm Killan, Lancaster, Penn June 17, Drying house for drying fruit. S. Strong, Wilkestownship, Ohio Sep. 2, Distilling. Lewis Lescesne, Belleville, N. J June 15, Distilling. Omri Carrier, Enfield Conn Jan. 18, 1813 Distilling. Omri Carrier, Enfield Conn Jan. 26, Distilling and boiling liquors. J. Morris, New Haven, Conn Mar. 3,
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Dough, machine for breaking. C. Barnard, Nantucket, Mass. Distilling by steam. John Morris Bennet, Middletown, Conn. Distilling apparatus. A. Tobey, Alford, Mass. Drying grain of all kinds. B. Parry, Bucks co. Penn. Distilling. M. Garden, Staunton, Va July 13, July 14,
Distilling apparatus. A. Tobey, Alford, Mass. Drying grain of all kinds. B. Parry, Bucks co. Penn. Distilling. M. Garden, Staunton, Va July 13, Draining plough. Stephen Hall, Boston July 13, Dye woods, machine for cutting. I. Richards, 3d, Norfolk, Connecticut Aug. 13, Downestic spinn r. E. Heavrick, Albany, N. Y Aug. 17, Diving dress. Chauncey Hall, Conn Dec. 24, Drying fuel for glass furnaces. James Lee, Philadelphia - Jan. 14, 1811 Distilling essential oils. D Jewet, Pitsfield Mass Jan. 24, Distilling. Jacob Miller, Lancaster, Penn Mar. 2, Distilling. Jacob Miller, Lancaster, Penn Mar. 2, Distilling. Andrew Dunlap, Boston May 3, Distilling. Andrew Dunlap, Boston May 3, Distilling. J. James Giraud, Baltimore June 14, Distilling and refining apparatus. Jacob Sherer and Abrah'm Killan, Lancaster, Penn June 17, Drying house for drying fruit. S. Strong, Wilkestownship, Ohio Sep. 2, Distilling. Lewis Lescesne, Belleville, N. J Dec. 4, Dock, floating dry. Samuel Rose, N. Y Dec. 4, Dost, floating dry. Samuel Rose, N. Y Dec. 4, Distilling. Omri Carrier, Enfield, Conn Nov. 2, Distilling. John Bates, Hartford, Conn Jan. 18, 1813 Distilling. John Bates, Hartford, Conn Jan. 26, Distilling and boiling liquors. J. Morris, New Haven, Conn Mar. 3,
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Drawing wire, machine for. John J. Staples, Flushing, N. Y. May 10, Dies, circular, improvement on Perkins. Jacob Perkins and
Geo. Murray, Philadelphia June 25,
Distilling, a cylinder heater for. C. Jenks and Abiel Perse, East
Windsor, Conn July 12,
Die work, instead of etching. A. Brewster, Frankfort, Penn. July 15,
Distilling, heating the mash for. T. Balden, Hartford, Conn. Aug. 18,
Distillation, heating water for. A. Anderson, Philadelphia - Oct. 27,
Distilling apparatus. I. Hoffman, Shawangunk, N. Y Dec. 31, Dye woods, for rasping and grinding. Joseph Broad, Springfield
Mass Mar. 1, 1814
Distillation. John W. Alder, Pennsborough, Penn April 29,
Distilling. Wm. M. B. Wollias and H. P. Barlow, Oneida co.
New-York May 6,
Dye stuffs, cutting. Aaron Broad, Litchfield, Conn - : - June 9,
Dies for metals. Ben. Mead and Giles Richards, Boston - July 2,
Distilling from grain, &c. Simon Shurtliff, Oneida co. N. Y July 5, Distilling by steam. David Dewy, Sullivan, N. Y July 5,
Dying silks. T. Harrison and Robert Pierpont, N. Y Oct. 18, -

Distilling. Naphtali Hart, Easton, Penn	Oct. 29,	1814
Distilling. Naphtali Hart, Easton, Penn. Distilling by steam, &c. Enos Brown, Oneida co. N. Y.	Jan. 23,	1815
Distillation, cooling mash for. Thos. Whitemell, Scotland		
Neck, N. C.	Sep. 2,	
	Dec. 4,	1916
Distillation by steam. Hezekiah Kelly, Brooklyn, N. Y. Dye woods, saw mill for. John Elder, Hamilton, Mass.	Feb. 16,	1016
	April 11,	
Distilling and rectifying, &c. John Whips, Jesterson co. Ken.	April 22.	
Danger scane. Wm. Start. Greenshorough Md	May 3,	
Distilling. Norman Goodsell, Paris, N. Y	June 13,	***
Distining. Will. Michardson, Kingston, N. I.	June 15,	
Distilling. E. Talmage, Lancaster, Ken	July 8,	
Distilling. Amos Blood, Boston	July 16,	
Double stave and parallel jointer. J. S. Keen, Phil Docks projecting. Moses Rogers, N. Y	Oct. 1,	
Docks projecting. Moses Rogers, N. Y. Dye woods, machine for rasping. Beriah Swift, Washington,	Jan. 7,	
Duchess co. N. V.	Feb 1	1817
Duchess co. N. Y, Dry docks, rotary. Joseph Webb, N. Y	May 3.	~~
Dying and finishing silk goods. A. Stearns and W. Barret,		
Cambridge, Mass	Jan. 30,	1818
Cambridge, Mass. Drill for potatoes. George Harper, Jenkington, Penn. Dogs, a new power. A. Tienan, N. Y.	Mar. 23,	
Dogs, a new power. A. Tienan, N. Y.	April 2 ⁻ ,	-
Dying and finishing silk. A. Stearns and W. Barret, Boston,	Sep. 8,	
Distilling, improvement in. Pierce Woods, Frederick co. Md.		
Distilling, improvement in. Charles Merot, Phil	Nov. 5,	
Dry dock, floating. Albert Brux, Augusta, Ga. Double Speeder. Wm. Hines, Coventry. R. I.	Feb. 6,	;
Dying, tanning, &c. chesnut used in. W. Sheldon, Springfield,	r co. 0,	
Hampton co. Mass	Feb. 26.	
Hampton co. Mass. Distilling, improvement in. James Caze, N. Y.	Mar. 18,	
Double speeder for roping cotton. Paul Moody, Boston Distilling, apparatus for. Henry field, Camillus, N. Y. Domestic spinner. John Brown, Providence, R. I. Diving drum. Jasper Johnson, Albany, N. Y. Distilling improvement in the apparatus for Enderick Kalislav	April 3,	(
Distilling, apparatus for. Henry field, Camillus, N. Y.	June 17,	
Domestic spinner. John Brown, Providence, R. I	July 22,	
Diving drum. Jasper Johnson, Albany, N. Y.	July 31,	
Distring, improvement in the apparatus for. I redefick Kansky,		
Philadelphia	Dec. 14,	
Distilling, improvement in. Richard Wilcox, N. Y Diving, mode of. William Brookfield, Detroit, Mich. Ter	April 20,	1820
Draw grinding machine. Thomas Dakin, Harpers-Ferry, Va.	July 28	
Drying cloth by steam. Rolan Duncanright, Medway, Mass.	Aug. 30.	
Double speeder, improvement on No. 1. Jon. Fisk, Med. Mass.	Dec. 7.	
Do. No. 2. do. do Do. No. 3. do. do	Dec. 7,	
Do. No. 3. do. do	Dec. 8,	
110.	Dec. o,	
	Dec, 8,	-
Double speeder, combination of improvements on the. Jona-	D 0	
than Fisk, Medway, Mass. Dyewoods, machine for cutting. Elijah Converse, Dayton,	Dec. 9	
	Jan. 10,	1891
Double speeder for roping cotton. Paul Moody, Boston	Jan. 19	1021
	Feb. 20.	
0)	Mar. 3	
	April 27	
Duck or canvass sail, manufacturing. Josiah Chapman, Frank-		
fort, Penn.	July 9	
Distilling, improvement in the still for. Ballazar J. Kallenbach,		
	Aug. 6	
	· Aug. 28	-
Distilling, improvement in the apparatus for. Henry F. Fisher, Philadelphia		

Dry docks, improvement in floating. Edward Covenhoven,	
Greenburgh, N. J Oct. 30, 18	321
	322
Distilling, improvement in. Philip Greiner, Brandywine Town-	
ship, Penn April 17, -	-
Dough, machine for making. Josiah S. Fisher and Sylvester	
W. Talbot, Norfolk, Mass April 25,	_
Drill, Cotton thinner and plough. Wm. Willis, Edgefield Dis-	
trict, S. S May 17, -	_
Distilling, improvement in the apparatus for. Uriah Swetland,	
Kingston, Penn Nov. 18, -	g red
Distilling by steam, improvement in. Elias Gilhausen, Halifax	
township Penn Jan. 14, 16	893
Double Speeder, improvement in the. Az. Arnold, North Pro-	220
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Distilling, improvement in. Malcolm M'Donald, Fayette, Penn. Feb. 19,	-
Distilling, improvement in. Increase Carpenter and J. Roe,	004
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Dicesco, more of more of more of the more	
Diving suit, improvement in the. W. C. Davison and D. Clark,	
Distining, machiner and and an arrangement and arrangement arrangement and arrangement	
	825
Dowelling bit, improvement in the. John Thomas, Washing-	
ton, D. C April 2,	
Dry docks, improvement in. Christian Berg, N. Y April 9, -	-
Distilling spirits, improvement in the mode. William Avery,	
Pomfrey, N. Y May 13,	
Dry docks, improvement in the noating. wm. R. Loweree,	
Dry docks, improvement in the floating. Wm. R. Loweree, New-York June 23,	P age
New-York June 23,	
New-York June 23, - Dock, marine elevating, improvement in apparatus. E. Buck	
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New-York Dock, marine elevating, improvement in apparatus. E. Buck and Henry Crehore, Boston Do. Robert Gerry and Abel Bayard, Boston, Mass. Divitial invention. C. S. Rafinesque, Lexington, Ken. Delineator, improvement in the. Jonas Weeks, N. Y. Delineator, improvement in the. Jonas Weeks, N. Y. Sep. 9, Dye woods, machine for cutting. Ephraim Morris, Bloomfield, New-Jersey Distilling spirits, improvement in the method. Abm. Whitson, Staunton, Va. Decay of-vessels, mode of preventing. Anthony Plantou, Ph'a. Oct. 1, Distilling, in the apparatus for. John C. Douglas, Troy. N. Y. Nov. 26, Doors and sashes, mode of preventing from being too tight. Daniel Fraser, N. Y. Dry docks. Levi H. Clarke and L. M. Wiss, N. Y. Dock, ship rail way. John Thomas, N. Y. Doors, making rack bolts for. J. Brown and George W. Robinson, Providence, R. I. Dry docks. Alonso Place, N. Y. Distilling spirits from cider and grain. Samuel Harwood, 3d, Braintree, N. Y. Dress, boys'. Charles Herwick, N. Y. Dock, carrying and lifting trunk. James Barron, Norfolk, Va. Aug. 2, Dock, carrying and lifting trunk. James Barron, Norfolk, Va. Aug. 2, Dock, floating dry, improvement in the. John Floyd, Kittery, Maine - Aug. 19,	
New-York Dock, marine elevating, improvement in apparatus. E. Buck and Henry Crehore, Boston Do. Robert Gerry and Abel Bayard, Boston, Mass. Divitial invention. C. S. Rafinesque, Lexington, Ken. Delineator, improvement in the. Jonas Weeks, N. Y. Sep. 9, Dye woods, machine for cutting. Ephraim Morris, Bloomfield, New-Jersey Decay of vessels, mode of preventing. Anthony Plantou, Ph'a. Oct. 1, Distilling, in the apparatus for. John C. Douglas, Troy. N. Y. Doors and sashes, mode of preventing from being too tight. Daniel Fraser, N. Y. Dy docks. Levi H. Clarke and L. M. Wiss, N. Y. Dock, ship rail way. John Thomas, N. Y. Doors, making rack bolts for. J. Brown and George W. Robinson, Providence, R. I. Dry docks. Alonso Place, N. Y. Distilling spirits from cider and grain. Samuel Harwood, 3d, Braintree, N. Y. Dress, boys'. Charles Herwick, N. Y. Dock, buoyant Maximin Isnard, N. Y. Dock, carrying and lifting trunk. James Barron, Norfolk, Va. Dock, floating dry, improvement in the. John Floyd, Kittery, Maine ———————————————————————————————————	
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Engine, improvement in fire. Jesse Kersey April 1:	
Engine, a capstan fire. Sam. Eli Hamlin Aug. 30), 1799
Evaporation, improvement in. T. Bedwell and B. Henfrey,	
Philadelphia Feb. 12	2, 1801
Evaporation, mode of increasing for the purpose of distilling.	
B. Henfrey, Lancaster co. Penn Mar.	2, -
Engraving, improvement in the art of. J. Hutton and G. Fair-	
	3, 1802
man, Albany, N. Y. Essence of bark for dying, mode of extracting. Sam. Down-	
ing, Trenton, N. J April 19),
Economical house, and ship steam kitchens. N. Bourean, Alex-	'
andria, D. C Aug. 30)
Evaporating furnace. John Richardson - : - Sep. 13	
Evaporating furnace, improvement in. J. Richardson, Athens,	-,
Pennsylvania April 4	1803
Extinguishing fires. See fires.	, 1000
Earth, machine for raising and removing. J. Platt, Albany, New-York	1005
Earth, machine for removing, &c. Jacob Welsh, Boston - May),
Essence of tansy. Israel Newton, Norwich, Va Feb. 28	, 1806
Evaporation. Thomas Arnold Mar. 5),
Egyptian lock. A. Ogier, Stansbury, N. Y Feb. 11	
Economical furnace, or stove. Joseph Poudrell, N. Y April 6	
Elastic chair. Sam. Gragg, Boston Aug. 31	l,
Elastic trace and brace. Ben. Giddins, Baltimore - Dec. 10),
Elevator, water. John Henrick, jr. Albany Feb. 1	
Explosion. See Combustion.	
Expanding and folding wheel. H. Steward, Clark co. Indiana - Jan. 24	, 1811
Evaporation, making salts by. B. Wildborn, Washington, N.Y. Feb. 4	Ĺ,
Elevator for the use of the sick. J. Elliot, Newbury, Mass Feb. 15	
Electrophorus, David F. Launy, Philadelphia - Aug. 23	3,
Electrophorus. David F. Launy, Philadelphia - Aug. 23 Elixir, restorative. H. Frink, Northampton, Mass Jan. 6	, 1812
Elevator and hopper boy. Sam. Walgemoore, Washington,	, 1010
Dist. Col Feb. 22	
Elevating grain, &c. Jeremiah Bailey, Kennet Square, Penn. June 19	,
Edge tools steel for Elishe Corden Philadelphia	,
Edge tools, steel for. Elisha Gordan, Philadelphia - June 20),
Extracts from barks, obtaining. Wm. Greene Jessender, Wal-	
pole, N. H	
Elevator for raising fluids, &c. R. Christy, Jefferson co. Va Nov. 21	
Engine, water. Joel M. Dupery, Woodford, Ken April 13	, 1814
Evaporator for salt water. Wm. M. Hawkins, King and Queen's	
county, Va April 23	
Etching the end pieces of bank notes. Henry S. Tanner, Phil. July 1	, 1815
Evaporate and steam engine. David Heath, Phil July 26 Electrical apparatus. T. Brown, Albany, N. Y Dec. 20	, 1816
Electrical apparatus. T. Brown, Albany, N. Y Dec. 20	,
Elixir of life Julius Rucco, Baltimore Mar. 29	, 1817
Excavating plough James Richmond, Hudson, N. Y June 28	
Elastic clamp. Thos. Rowel Hoyt, Goffstown, N. H Dec. 6	•
Emery making. Wm. Garratt, New-London, Otsego. county,	'
New-York Feb. 27	, 1819
Engines for mills on brooks. Jacob Toller, Phil July 13	,
Earth in making roads, &c. apparatus for removing. I. L. Skin-	,
	1900
ner and S. F. Hooker, Sackett's Harbor, N. Y. - Mar. 23	
Eliptical log-wheels. Wm. B. Copley, Whitestown, N. Y May, 9	, 1821
Elastic floor for propelling boats. Oliver Phelps, Lansingburgh,	
New-York Nov. 17	
Engraving, making metalic plates for. David H. Mason, Phil. May 17.	, 1822

Engine, improvement in the rotary steam. Dudley L. Farnam,	Nov.	16,	1822
	Feb.	19	1823
Engine, improvement in the steam. Amos Thayer, jr. N. Y.			
Evaporating liquids. Abner Vansant, Jefferson county, Mi.	Sep.	29,	1823
Extender. Asa Bisbee, N. Yarmouth, Maine	Jan.	27,	1824
Earth, stone, &c, removing. Orange H. Dibble, Niagara coun-	Dah	00	
ty, N. Y Engine, improvement in the atmospheric. Eb. and Js. Prentiss,	Feb.	20,	
	June	22,	1824
Earth, mode of loading and unloading. John Owings, Balt	Aug.	27,	
Extending and multiplying power. Wm. Kendall, jr. Water-		10	1004
ville, Maine	Jan.	16,	1826
	April	1.	
Earth, machine for removing. Peirson Reading, Trenton, New-	P	-,	
Jersey	June	1,	1826
Do Cyrus Barnard, New Lynn township, Penn.	July	14,	
Evaporating liquids. Charles Sholes, Phelps, N. Y Elevating liquors to upper rooms. John A. Smith, N. London,		20,	-
		7,	
Engine for throwing water. G. Shalk and William Tintoff,			
Lebanon, Penn	Sep.	23,	
F			
Α ,			
Him to marone from Good Gustavilia			
Fire, to rescue from. See Construction. Fire, to stop the progress of. B. Taylor, N. Y.	Mar	93	1794
Fish, improvement in the manner of catching. J. Ellicot, Penn.	Mar.	25,	1795
Flax and hemp, spinning of. See hemp and flax.		_ ′	
Flour and meal, improvement in manufacturing of. Oliver	70	10	1 80.0
Evans, Phil	Dec.	18,	1796
Fire engine. See Engine.			
Fire place, improvement in. C. W. Peal	Nov.	16,	1797
Flax and hemp. See Mill.			-000
	Nov. Jan.		
Flax, machine for breaking. John Cannon John Cannon, Wilmington, Del.			
Foreing pump. John Evelth, Providence, R. I.	June		
Fish, improved mode of carrying in warm weather. N. Robins,	. = "		
Burlington, N. J Flat roofed houses and balconies, improvement in Henry John-	Mar.	11,	1802
	May	1.	
Fire stop, improvement in the. Elisha Putman	Aug.	24,	
Finding salt water and metals. V. Cook, Kentucky	Nov.	1,	-
3 / 1	Dec.	6,	
Fire place. See Double draught- Fastenings or springs. See Window.			
Fires, method of extinguishing in houses. Sam. F. Lord, jr.	Mar.	10.	1803
Flax seed, machine for cleaning. Paul Gottry	April	24,	1804
Fan. See Columbian.			
Fulling mill, improvement in. called the double crank. Levi	T., 1	10	
	July Oct.		
Filtering machine. Dan. M. Mullen and Thos. M'Curdy, Phil.	Nov.	16.	
Fire, composition to prevent houses from catching. D. Stodder	Nov.	16,	
Fire, composition to prevent houses from catching. D. Stodder Fire place. See Close.	Nov.		
Fire, composition to prevent houses from catching. D. Stodder Fire place. See Close.	Nov. May		

Fluids, machine for raising. D. Tomlinson, Brookfield, Coun.	May 27,	1805
Flax. See Dressing.		
Fulling mill and washing machine. John Kennion, Duchess co		
New York	March 26,	1806
Filtering impure water and wine. &c. Solomon M'Combs, Josep		
Smith, and Ben. D. Galpin, Baltimore	May 24,	
Fire place with a flat funnel. Abraham Fisher	Feb 17,	1807
Fire brick, mode of making. Eben. Jenks, Canaan, Conn.	Feb 17,	
Fire places and stoves, improvement in. A. Pollock, Boston	April 23,	-
Fire engine, improvement in. Jacob Smith, jun. New York	May 20,	
Filtering pot. Michael Freytag, Philadelphia	July 1,	-
Flour and rieal, mode of manufacturing. O. Evans, Philadelphia		1808
Fire places, or open stoves, improvement in. J. F. Gould, New		•
buryport, Massachusetts	Feb 1,	
Fanning mill for grain, &c. Samuel Dodge, Cleveland, Ohio		
Forcing pump, with double action. E. Cady, jun. Chatham, N. Y.	March 9,	-
Fire places, improvement in. G Gridley, Newburyport Mass.	March 14,	
Fanning mill for grain or clover seed, &c. O. Barrett, jun. San	ı -	
dy Hill, New York	March 23,	*****
Furnace or stove. See Economical.		
Friction, mode of lessening in carriages. Robert Kilborn, Grea		
Barrington, Massachusetts	April 12	
Faucets for drawing liquors. Ira Ives, Bristol, Conn.	April 14,	
Friction roller, door hinge. John Bailey, jun. Plymouth, Mass	. May 16,	
Floating dry dock. William Rhodes, New York Funnels for fluids. Philip Apple, Philadelphia -	May 16,	
Funnels for fluids. Philip Apple, Philadelphia -	July 13,	
Fanning and winnowing mill. Ben. Atwell, Burlington, N. Y.	Sept 19,	
Forcing pump. See Pneumatic.		
Fastening window shutters. J. Blanchard, New York	Jan 14,	
Flax and hemp, machine for dressing. Richard S. Chappel Pawle		1000
Rutland county, New York	Jan 18,	
Flax and hemp machine Eli F. Hill. Onandago, New York	Feb 11,	
Fur cutting machine. E. Cutters, Battleboro', Virginia	March 1,	
Finishing silks. See Sills.		
Frame for finishing. See Dyeing.	1 02	
Flax dressing machine. J. Barlow, Granville, Massachusetts Furrowing, machine for. M. and I Nichols, Otsego, N. Y.	Aug 23,	
	Oct 12,	
Flexible platform for giving motion. John Johnston, jun. Charle ton, South Carolina		
Fishing seine. P. Croff, Little York, Pennsylvania	Nov 22, Dec 16,	
Felloes, machine for sawing W. F. Sheffield, New York	Dec 20,	
Floating mill and silent fisher. E. ord, Charleston, S. C.	Dec 20,	1003.
Funnel with a vent. D. Clarke, West Stockbridge, Mass.	April 9,	1810
Flax machine. Oliver Wilde, Canaan, New York -	April 16,	TOLO,
Fur cutting machine, Martin Clark, New York	April 21,	
Felloes, machine for dressing. S. Church, Amherst, Mass.	April 25,	
Fanning mill. Sam. Snedeker, Johnstown, New York -	April 27,	
Fur cutting machine. Eleazer Sprague, Danbury, Conn.	May 1,	
Fire places. Eben Whiting, Great Barrington, Massachusetts	June 18,	
Fire places. do do do	June 27,	
Flax and hemp, machine for breaking. N. P. Robinson, Fleming	r	
county, Kentucky	Aug 31,	
Forcing pump for fire engines. Eli Smith, Palmer, Mass.	Nov 6,	
Fire places, grated. Aug. Brown. Fredericktown, Maryland	Nov 24,	
Frictionless cylinders. John P. Swain, Roxbury, Massachusetts		
Felloes for wheels. J. Goulding, Leicester, Massachusetts	Feb 28,	
	March 20,	
	March 28.	

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Floating engine for supplying ships. J. P. Randolph, N. Y.	April 25, -
Flax and hemp break. E. Rumsay, Christian county, Ken.	April 25,
Flax and hemp break. J. C. Johnson, Fayette county, Ken.	May 16,
Fire arms. W. Thornton and J. H. Hall, Washington -	May 21, -
Fur cutting machine. J. Whetherle, Boston	May 28, -
Fanning mill. J. W. Jessup, Fredericktown, Maryland	June 18, -
Flor and home brook for Dobort Millon Lowington Von	
Flax and hemp, break for. Robert Miller, Lexington, Ken.	July 13,
Flax and hemp, break for. Jacob A Dana, Cassanovia, N. Y.	July 23,
Fish. See Wear.	
Files, machine for cutting. E. Gehbe, North Hampton co. Penn	
Flax and hemp, breaking. William Harper, Richmond, Va.	Oct 15, -
Flax and hemp, breaking. A Tanner, Trumbuil county, Ohio	Oct 24,
Fire places, improvement in his. Peter Sternberg: Montgomery	i
county, New York	Oct 28, -
	Jan 6, 1812
Flyers, for spinning cotton. A. Watton Keene, N. H.	
Febrifuge. A. Johnson, North Cumberland, Pennsylvania	Jan 11,
Flax and hemp for roving &c. William Griffen, New York	Jan 11, -
Flax and hemp, substitute for. C. Whitlow, New York -	Jan 11,
Fanning mill. Thomas S. Barnum, Sharon, Connecticut	- Jan 15,
Files, mchine for cutting. M Burke, Belknap, Brimfield, Mass	
Flour manufacturing. J. R. Madison, New York	Jan 27,
Furnace for heating ovens. A. H. Quincy, Boston	Feb 17, -
Fish glues. See Icthryocalla.	1 cp 1.,
Flore and have presented Take Orgings Paltimore	March 5,
	Maich 5,
Flax and Hemp. See Spinning.	110000
Fire engine. See Pump.	4 22 0
Forts. Edward Clark, Philadelphia	April 2,
Files cutting. C. Hesser and A. Paxton, Philadelphia	April 11,
Files cutting. Levi and David Anderson, Philadelphia -	April 20, -
Fire places, fluted back. Eli Mix, New Haven, Connecticut	April 25,
Faucet, plugged. William Jones, New York	May 13, -
Faucet, plugged. William Jones, New York Fair dealer, or the charta lusoriæ. Robert Bailey, Washington	May 13, May 15,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington	May 15,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut	May 15, May 19,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A H. Quincy, Boston	May 15, May 19, June 13,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md.	May 15, May 19, June 13, June 14,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston - Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York -	May 15, May 19, June 13, June 14, June 19,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston - Files, machine for cutting. M. Burk, Belknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York - Files, rasps, &c. machine for cutting. S. Gilman White, Haver.	May 15, May 19, June 13, June 14, June 19,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts	May 15, May 19, June 13, June 14, June 19, July 11,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts Fire engines. I. Hathaway, Walton, New York	May 15, May 19, June 13, June 14, June 19, July 11, Aug 6,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts Fire engines. I. Hathaway, Walton, New York Fire engines. A. Pollock and J. Perkins, Boston	May 15, May 19, June 13, June 14, June 19, July 11, Aug 6, Aug 6,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts Fire engines. I. Hathaway, Walton, New York Fire engines. A. Pollock and J. Perkins, Boston Fumiductors. W. A. Baron, New York	May 15, May 19, June 13, June 14, June 19, July 11, Aug 6, Aug 6, Sept 10,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts Fire engines. I. Hathaway, Walton, New York Fire engines. A. Pollock and J. Perkins, Boston	May 15, May 19, June 13, June 14, June 19, July 11, Aug 6, Aug 6,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts Fire engines. I. Hathaway, Walton, New York Fire engines. A. Pollock and J. Perkins, Boston Fumiductors. W. A. Baron, New York Flyer for spinning cotton. M. Newton, Fitchburgh, Mass.	May 15, May 19, June 13, June 14, June 19, July 11, Aug 6, Aug 6, Sept 10,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts Fire engines. I. Hathaway, Walton, New York Fire engines. A. Pollock and J. Perkins, Boston Fumiductors. W. A. Baron, New York Flyer for spinning cotton. M. Newton, Fitchburgh, Mass. Feather cloth. J. and B. Sizer, New London, Connecticut	May 15, May 19, June 13, June 14, June 19, July 11, Aug 6, Sept 10, Sept 28, Oct 21,
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts Fire engines. I. Hathaway, Walton, New York Fire engines. A. Pollock and J. Perkins, Boston Fumiductors. W. A. Baron, New York Flyer for spinning cotten. M. Newton, Fitchburgh, Mass. Feather cloth. J. and B. Sizer, New London, Connecticut Fuel, saving of. Zina Phinney, Cairo, New York	May 15, May 19, June 13, June 14, June 19, July 11, Aug 6, Sept 10, Sept 28, Oct 21, Oct 31, 1812
Fair dealer, or the charta lusoriæ. Robert Bailey, Washington Fur skins, machine for cutting. Ira Ives, Bristol, Connecticut Foot stove with stone heaters. A. H. Quincy, Boston Files, machine for cutting. M. Burk, Beiknap, Worcester, Md. Flax dressing machine. J. Hawes, Hudson, New York Files, rasps, &c. machine for cutting. S. Gilman White, Haverhill, Massachusetts Fire engines. I. Hathaway, Walton, New York Fire engines. A. Pollock and J. Perkins, Boston Fumiductors. W. A. Baron, New York Flyer for spinning cotton. M. Newton, Fitchburgh, Mass. Feather cloth. J. and B. Sizer, New London, Connecticut Fuel, saving of. Zina Phinney, Cairo, New York Files, machine for cutting. Wm. T. James, Greenwich, N. Y.	May 15, May 19, June 13, June 14, June 19, July 11, Aug 6, Sept 10, Sept 28, Oct 21, Oct 31, 1812 Nov 19,
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Fan for cleaning wheat. Edward Brooks, Wilmington, Del.	Jan	28,	
Founder's moulding dies. Eben. Bryant, New London, Conn.	March		
Fire engine. John Richardson, jun. Shrewsbury, Mass.	July		
Fire places, improvement in. Eben Jenks, Colebrook, Conn.	Sept	2,	w`-
Fire places, improvement in Eliphalet Nott, Schennectady,			
New York			1819
Floor cloths, paper. Francis Guy, Baltimore	Feb		
Fly wheels used as a power. John Ardronau, New York	April		
Fire places close and open. John C. Brush, Washington, D. C.			
Ferry boats, propelling. Robert Speeden, Easton, Maryland	Aug	26,	
Flood gates for mills. J. Lucas, jun. Charleston, S. C,	Nov	6,	
Fire engine assistant, or life pole. Wm. W. Van Loan, Catskill,			
New-York,			1822
Fire places, improvement in. Joseph Maggini, Baltimore	Feb	4,	
Fire places, improvement in. Stephen Spalding, Colchester,			
Connecticut,	April	11,	
Fire engine, improvement in the. Solomon Lockwood and			
William Lovland, Little Falls, New-York,	April	16,	
Fire places, mantle and fender for. Elijah Skinner, Sandwich,			
New-Hampshire,	April	19,	
Fire engines, improvement in. Ebenezer Higgins, Saratoga,			
New-York,	April	27,	***
Fire places and stoves, improvement in. Lemuel Hitchcock,			
Wethersfield, Vermont,	May	4,	
Flax, machine for breaking and awingling. S. Davidson, Ro-			
mulus township, New-York,	May		
Flax and hemp machine. Henry Burden, Albany, N Y.	June		
Flax and hemp machine. William Cumberland, New-York,	July		
Flax and hemp machine. James Macdonald, New-York,	Aug		and hire-
Forge, hollow fire. Samuel Collins, Springfield, Mass	Sept	11,	
Flax and hemp dressing machine. Naman Goodsell, Paris,	~	10	
New-York,	Sept	19,	-
Floating vessels, machine for. John Denny, Queen Ann coun-			
ty, Maryland,	Oct	3,	
Fire arms, improvement in. Albern Holcomb, Litchfield, N.	0 1	0.1	
York,	Oct	31,	₹%
Flumes for mills, improvement in the A. Messer, Providence,	***	10	
Rhode-Island,	Nov	19,	944 AV.
Flax and hemp, improvement in the machine for breaking. Wm.		~~	,
Cumberland, New-York,	Nov-	29,	
Flax and hemp, machine for dressing. James Macdonald,		10	1000
New-York,	Jan :	18,	1823
Flax and hemp, machine for dressing. Joseph Hines and Wm.	1 77 1		
Bain, Columbus, Ohio,	Feb	3,	wije
Fire proof furnace, improvement in. John Miller, (mason)	M 1	10	
	March	13,	
Flax and hemp, machine for breaking. Naman Goodsell, Clin-		. .	1000
	March !		
Fire-fender, improvement in the. Matthew Benson, Ohio,	May	19,	~~
Forks, making four pronged. Granville Martin, Waterbury,	T	10.	
Connecticut,	June'	13,	
Fire engine and water pump. E. Williams and J. Collins, Fal-		00	
ley x roads, Massachusetts,	June		-
Fencing, improvement in. Othello Church, Friendship, N. Y.	July	3,	
Forks, improvement in making dung. Christian Lawrence,	T 1	20	
Chatham, New-York,	July		
Fires in chimneys, extinguishing. Daniel Berrich, N.Y.	Aug !	٠, لك	-1

Forges and furnaces, backs for. Lewis Gillet, Copenhagen,			
New-York,	Aug	21.	
Flax, improvement in breaking, dressing, &c. Asa Hook,		• ,	
Maine,	Sont	0	
	Sept	٥,	
Fanning mills, improvement in the. David Neefus, Flat Lands,	~ .	22	
Island, New-York,	Sept	22,	origina .
Fulling woollen cloth, improvement in. M. W. Northrup and			
R. R. Dillon, Sussex county, New-Jersey,	Dec	4.	
Flax and hemp, machine for breaking. Frederick Cox, So-		-,	
	Don	4	
merville, Somerset county, New-Jersey,	Dec	4,	-
Fids for supporting masts. Benjamin Rotch, junior, 6 Upper			
Berkley Place, Bristol, England,	Dec	10	-
Flax and hemp, machine for dressing. Benjamin Lewis, Ligonia			
.Maine,		98	1824
	March		
Fire engine, horizontal. Luther Holland, Beicherstewn, Mass. I	March	11,	-
Fishing, improvement in. Daniel Gordon, Lower Chance-			
	March	27.	
Forks, making four tined. Martin Stevens, New-Haven, Conn.	Ancil	16	
Plan and have described martin dievens, New-Haven, Conn.	apeu	10,	
Flax and hemp dressing machine. Platt Wakalee, Augusta,			
Oneida county, New-York,	April	16,	
Flax and hemp dressing machine. Erastus Kellog, Palmyra,			
New-York,	May	11	
	I'I u ,	11,	
Flax and hemp dressing machine. William C. Davison, Pitts-	-	~~	
ford, New-York,	June		
Fanning mill. Lemuel Peck, Brookfield, Connecticut,	Aug	13,	-
Flyer used in spinning, &c. O. G. and N. Rogers, Wnitestown,	J	,	
New-York,	Aug	ao	
Fly killing machine. Andrew Glendening, Loudon county, Va.	Sept	9,	•••
Flax and hemp, machine for breaking and swingling. Rey-			
nolds Gilman, New-York,	Nov	5.	
Flax and hemp, machine for dressing. Franklin Kellsey, Mid-		٠,	
	More	o.c	
dletown, Connecticut,	Nov	≈0,	Agency .
Flax and hemp, machine for dressing. Thomas S. and A. Bar-			
num, New-York,	Nov	27,	-
Flour, mode of preserving. William Wood, junior, St. Clairs-	,	,	
ville, Ohio,	Dec	A	
			mary.
Felloes, mode of cutting. B.L. Greenough, Lebanon, N. H.	Dec		
Family spinner. D. Pool and A. Copeland, Philadelphia, -	\mathbf{Dec}	24,	
Flax breaking machine. Pierson Reading, Trenton, N. J.	Jan	3,	~ez
Floom for water wheels Jabez B. Fletcher, Richmond, Me.	Feb		-
Family spinner and bobbin winder. John Gill, Plum township,	200	0,	
	33 1	10	
New-York,	Feb		
Flax, machine for dressing. Francis Burdick, Kortright, N. Y.	Feb	28,	-
Flour, mode of preserving. Edwin Hord and B. Browning,			
Fleming county, Kentucky,	March	19	
Flax, machine for dressing. William Wheeler, Warren, N. Y.	waren	20,	-
Fanning mill, improvement in the. Enoch Walker, Spring-			
field, Pennsylvania,	March	28	-
Fire places and chimneys. Cyrus Blood, Hagerstown, Md.	April		
		,	
Furnaces for fossil coal. Daniel Stansbury, Betleville, N.J.	April	10,	1024
Friction, mode of lessening. Peter Freeman, Morris county,	_	_	
New-Jersey,	June	1,	1825
Fire places, improvement in. William Hoyt, Brookville, Ind.			
Fire brick and fire clay, improvement in. Richard H. Smith,		,	
	Sant	97	
Baltimore, Maryland,	Sept		
Fur, mode of preparing for hatters. Arnold Buffum, Troy, Mass.	Sept	28,	

ruriace for heating natters from, ecc. G. V. Italymond, Itien-		
mond, Virginia,	Sept 29,	or-g
Forge and furnace water back and tewel. Asa Blood, Conhoc-	•	
	Sept 29,	
ton, New-York,	Sopt 23,	,
Fan and screen, improvement in the. John Peyton, Orange		
county, Virginia,	Nov 7,	
Furnaces, constructing. Oliver Woodruff, New-York, -	Nov 7,	
Furnaces for burning anthracite coal. John L. Sullivan, N. Y.	Nov 26,	
Furnaces for our mig and acree cours. John D. Sum and T.	1101 20,	
Flax and hemp, rotting by steam. Archilles Chian, Harrison	7 00	
county, Kentucky,	Dec 28,	
Felloes, machine for sawing. P. [James C.] Collier, Catskill,		
New-York,	May 20,	1826
	may 20,	10,00
Furnaces and stoves for heating hoops. Garrett Post, Auburn,		
New-York,	May 22,	
Flax and hemp dressing, machine for. Joseph Hines and W.		- 1 .
Bain, New-York,	Aug 11,	
Fur, machine for cutting. Jeremiah Hubbard, Jamestown,	8	
	BT. L 4	
North Carolina,	Nov 4,	
Fanning mill, improvement in the. O. Pinney and James Olm-		- ,
stead, Caledonia, New-York,	Nov 7,	
Furnaces, fire places, and stoves, improvement in. Social	,	
	NT. O	
Rolph, Whaies, New-York,	Nov 8,	00-yp
Furnaces for burning anthracite coal. William Church, Boston,		
Massachusetts	Nov 20,	
Fire arms, improvement in. Fordyce Ruggles, Hardwick,		
	Nov 24,	
Massachusetts,	1401 24,	
	•	
Fire places, forges, and furnaces, improvement in. J. W. Booth		
Fire places, forges, and furnaces, improvement in. J. W. Booth and William Lyman. Boston.	Nov 29.	46
Fire places, forges, and furnaces, improvement in. J. W. Booth and William Lyman, Boston,	Nov 29,	46
and William Lyman, Boston,	Nov 29,	
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and William Lyman, Boston, G	Nov 29,	u 6
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Gas lamp. David Milville, Newport, R. I. Gimlet twisted screws. J. Broad, Salisbury, Conn. Gun powder. Thomas Ewell, Georgetown. D. C. Gauge for a trip hammer. B. Richardson, Western, Mass. German flute. William Schaffer, New-York, Gun carriage pivot. Luke M. Laighton, Portsmouth, N. H. Gun powder granulating. Joseph Wasley, Bern, N. Y. Gun powder granulating. Joseph Wasley, Bern, N. Y. Graphic plates for bank notes. John Mecr, Philadelphia, Grain, screen for cleaning. E. Tisdale, Windham, Conn Grain, machine for thrashing and cleaning. A. D. Leroy, N. York, Glass furnace, for making. J. Stranger and A. H. Miller, Philadelphia, Aug. 16, March 18, 181; March 18	} {
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Gas lamp. David Milville, Newport, R. I. Gimlet twisted screws. J. Broad, Salisbury, Conn. Gun powder. Thomas Ewell, Georgetown. D. C. Gauge for a trip hammer. B. Richardson, Western, Mass. German flute. William Schaffer, New-York, Gun carriage pivot. Luke M. Laighton, Portsmouth, N. H. Gun powder granulating. Joseph Wasley, Bern, N. Y. Gun powder granulating. Joseph Wasley, Bern, N. Y. Graphic plates for bank notes. John Mecr, Philadelphia, Grain, screen for cleaning. E. Tisdale, Windham, Conn Grain, machine for thrashing and cleaning. A. D. Leroy, N. York, Grain, machine for making. J. Stranger and A. H. Miller, Philadelphia, Gas light from stove coal. Z. Enters and W. Zigler, Georgetown, D. C. Grain, machine for hulling and grinding, &c. T. Ellicott,	3
Gas lamp. David Milville, Newport, R. I. Gimlet twisted screws. J. Broad, Salisbury, Conn. Gun powder. Thomas Ewell, Georgetown. D. C. Gauge for a trip hammer. B. Richardson, Western, Mass. German flute. William Schaffer, New-York, Gun carriage pivot. Luke M. Laighton, Portsmouth, N. H. Gun powder granulating. Joseph Wasley, Bern, N. Y. Graphic plates for bank notes. John Mecr, Philadelphia, Grain, screen for cleaning. E. Tisdale, Windham, Conn Grain, machine for thrashing and cleaning. A. D. Leroy, N. York, Glass furnace, for making. J. Stranger and A. H. Miller, Philadelphia, Gas light from stove coal. Z. Enters and W. Zigler, Georgetown, D. C. Grain, machine for hulling and grinding, &c. T. Ellicott, Penn. March 18, 181; June 25, June 6, Nov 29, Feb 21, 181; Feb 25, Graphic plates for bank notes. John Mecr, Philadelphia, - July 1, July 17, Grain, machine for hulling and grinding, &c. T. Ellicott, Penn. Feb 16, 181	3
Gas lamp. David Milville, Newport, R. I. Gimlet twisted screws. J. Broad, Salisbury, Conn. Gun powder. Thomas Ewell, Georgetown. D. C. Gauge for a trip hammer. B. Richardson, Western, Mass. German flute. William Schaffer, New-York, Gun carriage pivot. Luke M. Laighton, Portsmouth, N. H. Gun powder granulating. Joseph Wasley, Bern, N. Y. Gun powder granulating. Joseph Wasley, Bern, N. Y. Graphic plates for bank notes. John Mecr, Philadelphia, Grain, screen for cleaning. E. Tisdale, Windham, Conn Grain, machine for thrashing and cleaning. A. D. Leroy, N. York, Grain, machine for making. J. Stranger and A. H. Miller, Philadelphia, Gas light from stove coal. Z. Enters and W. Zigler, Georgetown, D. C. Grain, machine for hulling and grinding, &c. T. Ellicott, Penn. Feb 16, 1816 April 23, —	3
Gas lamp. David Milville, Newport, R. I. Gimlet twisted screws. J. Broad, Salisbury, Conn. Gun powder. Thomas Ewell, Georgetown. D. C. Gauge for a trip hammer. B. Richardson, Western, Mass. German flute. William Schaffer, New-York, Gun carriage pivot. Luke M. Laighton, Portsmouth, N. H. Gun powder granulating. Joseph Wasley, Bern, N. Y. Graphic plates for bank notes. John Mecr, Philadelphia, Grain, screen for cleaning. E. Tisdale, Windham, Conn Grain, machine for thrashing and cleaning. A. D. Leroy, N. York, Gas light from stove coal. Z. Enters and W. Zigler, Georgetown, D. C. Grain, machine for hulling and grinding, &c. T. Ellicott, Penn. Gas making, carbonated hydrogen. B. Hugler, Philadelphia, Glass making. William Price, Pennsylvania, March 4, — March 18, 181; March	3
Gas lamp. David Milville, Newport, R. I. Gimlet twisted screws. J. Broad, Salisbury, Conn. Gun powder. Thomas Ewell, Georgetown. D. C. Gauge for a trip hammer. B. Richardson, Western, Mass. German flute. William Schaffer, New-York, Gun carriage pivot. Luke M. Laighton, Portsmouth, N. H. Gun powder granulating. Joseph Wasley, Bern, N. Y. Graphic plates for bank notes. John Mecr, Philadelphia, Grain, screen for cleaning. E. Tisdale, Windham, Conn Grain, machine for thrashing and cleaning. A. D. Leroy, N. York, Gas light from stove coal. Z. Enters and W. Zigler, Georgetown, D. C. Grain, machine for hulling and grinding, &c. T. Ellicott, Penn. Gas making, carbonated hydrogen. B. Hugler, Philadelphia, Glass making. William Price, Pennsylvania, Gharles Dalmas, Wilmington, Del. March 13, 181; March 18, 181; March 4, Gun powder, granulating. Charles Dalmas, Wilmington, Del. April 26,	3
Gas lamp. David Milville, Newport, R. I. Gimlet twisted screws. J. Broad, Salisbury, Conn. Gun powder. Thomas Ewell, Georgetown. D. C. Gauge for a trip hammer. B. Richardson, Western, Mass. German flute. William Schaffer, New-York, Gun carriage pivot. Luke M. Laighton, Portsmouth, N. H. Gun powder granulating. Joseph Wasley, Bern, N. Y. Graphic plates for bank notes. John Mecr, Philadelphia, Grain, screen for cleaning. E. Tisdale, Windham, Conn Grain, machine for thrashing and cleaning. A. D. Leroy, N. York, Gas light from stove coal. Z. Enters and W. Zigler, Georgetown, D. C. Grain, machine for hulling and grinding, &c. T. Ellicott, Penn. Gas making, carbonated hydrogen. B. Hugler, Philadelphia, Glass making. William Price, Pennsylvania, March 4, — March 18, 181; March	3

Grammatical Key. James Brown, jun. Newark, N. J.	March	3,	-
Gurida depurative. John James Girand, Baltimore, -	Sept	9,	1817
Gate, rising and faucet. J. Brainard, Oneida co. N. Y.	Oct	4,	
Gun barrels, making. A. Waters, Milbury, Mass.	Oct		
Gilding on leather, &c. Andrew Allen, New-York, -	Dec		
	March		1818
Grain, machine for cleaning, &c. A. Fettrow, York, Penn.	May	28,	
Gun, rifle, &c. to discharge 7 times. Artemas Wheeler, Rox-		- 4	
bury, near Boston,	June		
Gun powder, granulating. Daniel Rogers, Newburg, N. Y.	Aug		
Gill nets, catching fish. James Drummond, N. Y.	Aug		
Gun barrels. Asa Waters, Milbury, Mass.	Dec	21,	
Gun and rifle barrels, improvement in. Artemas Wheeler,		10	1010
Mass. Grain, machine for hulling. Benjamin Maltby and Maltby Fow-	ren	19,	1819
ler, New-Haven, Conn	Feb	96	
Gun or rifle, improvement in the. Obadiah Stith, Quanelsville,	1.00	۵٥,	-
	March	16	
	March		
Glass strings for pianos. Richard Bury, Albany, N. Y.	Aug		
Granulating gun powder. Gardiner Fulton, Philadelphia, -	Aug		·
Gun stocks, machine for turing. Thomas Blanchard, Milbury,	2146	~-,	
Mass	Sept	6.	0 0
Gun powder, improvement in making. Joseph M. Merrow and		٠,	
Robert M. Kee, junior, East Hartford, Connecticut, -	April	19,	1822
Glass lights for ships, &c. Joshua Oakes, Boston,	May :		
Ginning cotton, machine for. S. Pennoyer, Cross-river, West			
Chester, New-York,	July	24	
Gun powder, machine for granulating. William H. Richard-		•	
son, Baltimore,	Aug	3,	(
Glass buttons, furnace for. George W. Robinson, Attleborough,			
Massachusetts,	Aug	19,	***
Glass buttons, finishing. Spencer Richards, Attleborough,			
Massachusetts,	Aug	29,	
Grid-irons, improvement in. Daniel Ball, Ballstown Spa, N. Y.			
Glue, improvement in making. John Henry Mark, Phil'a, -	Oct		
Gas, making combustible. William Gamet, Rome, N. York,	Dec		
Grinding, machine for. John Bolton, Warren, New-York,	Jan	9,	1823
Grass seeds, machine for cleaning. Howland Child, Canton, Maine,	Jan :	11.	-
Girth, improvement in the elastic spring. Peter Harry, Harris-	, Jan .	11,	
onburg, Virginia,	Feb-	1	
Grain cradle, improvement in the. Isaac Babcock, Ransselear-	1 00	٠,	
ville, New-York,	March 2	24.	
Grain, machine for grinding. J. C. Langdon and J. Thrash,	,	,	
Troy, New-York,	Sept 2	6.	
Grain, machine for scouring and cleaning, John Litchenber-		1	
ger, Philadelphia,	Nov 2	24,	
Guns, improvement in. Alexander Bowden, Newark, N. J.			1824
Grain, improvement in scouring. Lot Forrester, Ridgefield,			
Connecticut,	Feb :	13,	-
Gun barrels, rolling the scalps of. John Bruce, Springfield,			
Massachusetts	Oct 1	15,	We also
Gas, machine for charging liquids with. Joseph H. Laning, Da-	-		
vidson county, Tennessee,	Dec 2		
Grasses, making brushes and brooms of. Shad. H. Weed, N. Y.	Feb 2	8, 1	1820
Grain, cast iron mill for grinding. Henry Bailey, Hartford,	3.5	,	
Connecticut,	May 1	4:	-

Geographical garden, discovery of. Geo. W. Cherry, Derby,
Connecticut, May 27, 1825 Guns, improvement in making percussion. James Tyrer, Pc-
tersburg, Virginia, June 3,
Glass furniture knobs, improvement in making. J. P. Bake-
well, Pittsburg, Pennsylvania, Sept 9, Grate, improvement in the reverberating. Robert Mayo, Rich-
mond, Virginia, Nov 1,
Garments, mode of measuring and cutting. S. Stephenson,
Baltimore, March 15, 1826
Gauge sight for steam boilers. Wm. Baker, Kingston, Penn. March 24, -
Gun stocks, crooking. John Schirer, Charleston, S. Carolina, April 12, Geer, screw, for machinery. Charles Wartham, Warrenton,
North Carolina, April 24,
Grain, cleaning. Lemdel Lee and Cornelius Masten, Penn
Yan, New-York, April 25,
Globes, making the inner body of. Wm. B. Annin, Boston, Massachusetts, May 4,
Garments, scale for draughting. N. B. Starr, Philadelphia, July 10,
Grinding machine, for shelled corncobs, &c. Jarvis Webster,
Philadelphia, July 31, -
Glass knobs. H. Whitney and E. Robinson, Cambridge, Mass. Nov 4, -
Gin, improvement in the common foot. James B. Barnes, Beaufort, South Carolina, Nov 6,
Grate and blower for Leheigh coal. S. C. Moott and William
Holmes, New-York, Nov 26,
Grater, corn and apple. Camm Moore, Gardiner, N. C. Dec 30,
Gas for engines, charing wood for. Samuel T. Jones, Phil. Jan 17, 1827
Con look in a construct in all a Ci a Ci a Ci a
Gun lock, improvement in the. Simon Cromwell, Edgecomb,
Maine, Feb 3,
Maine, Feb 3, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6,
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, - March 27,
Maine, Feb 3, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulics, improvement in. Joshua Hatheway, Vermont Oct 29, 1794
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 17,
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. Hemp and flax breaking. Samuel Mullikin, Philadelphia Jan 15, 1795
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Harbors. See Jocks Aug 5, 1799 June 26, 1797 May 19, 1800
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, - March 27, H Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Al-
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Feb 20, 1801
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, - March 27, Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 17, Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long - Jan 15, 1795 Hats making. James Long - Aug 5, 1799 Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont - Feb 20, 1801 Hydraulic engine. John Strong - March 24,
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, - March 27, Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 17, Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long - Aug 5, 1799 Hoops of iron, improvement in straightening. B. Seymour Hoops of iron, improvement in straightening. B. Seymour Hodes and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont - Feb 20, 1801 Hydraulic engine. John Strong - March 24, Hemp and flax, mode of breaking. Hezekiah Betts - May 3, 1802
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, - March 27, Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 17, Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long - Aug 5, 1799 Hoops of iron, improvement in straightening. B. Seymour Hodes and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont - Feb 20, 1801 Hydraulic engine. John Strong - March 24, Hemp and flax, mode of breaking. Hezekiah Betts - May 3, 1802 Hulling rice, machine for. Christopher Hoxie, Hudson, N. Y. Jan 7, 1803
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, - March 27, Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 17, Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long - Aug 5, 1799 Hoops of iron, improvement in straightening. B. Seymour Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont - Feb 20, 1801 Hydraulic engine. John Strong - March 24, Hemp and flax, mode of breaking. Hezekiah Betts - May 3, 1802 Hulling rice, machine for. Christopher Hoxie, Hudson, N. Y. Jan 7, 1803 Horizontal wind mill. John Baptiste Avelthe - March 16,
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Hemp and flax, mode of breaking. Hezekiah Betts Hulling rice, machine for. Christopher Hoxie, Hudson, N. Y. Jan 7, 1803 Horizontal wind mill. John Baptiste Avelthe House fan, improved. Edward Marquam Heating and boiling. See Water.
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 17, Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Hemp and flax, mode of breaking. Hezekiah Betts Hemp and flax, mode of breaking. Hezekiah Betts Hemp and flax, mode of breaking. Hezekiah Betts Horizontal wind mill. John Baptiste Avelthe House fan, improved. Edward Marquam Heating and boiling. See Water. Hinges, machine for making. David Morse Helling rice, machine for making. David Morse House fan, improved. Edward Marquam Heating and boiling. See Water. Hinges, machine for making. David Morse
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, March 27, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Hemp and flax, mode of breaking. Hezekiah Betts Hulling rice, machine for. Christopher Hoxie, Hudson, N. Y. Jan 7, 1803 Horizontal wind mill. John Baptiste Avelthe House fan, improved. Edward Marquam Heating and boiling. See Water. Hinges, machine for making. David Morse June 10, Hats, improvement in the mode of manufacturing. E. Corning,
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 17, Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Hydraulic engine. John Strong Hulling rice, machine for. Christopher Hoxie, Hudson, N. Y. Horizontal wind mill. John Baptiste Avelthe House fan, improved. Edward Marquam House fan, improved. Edward Marquam Heating and boiling. See Water. Hinges, machine for making. David Morse Hats, improvement in the mode of manufacturing. E. Corning, jun. Hartford, Connecticut Hinges, machine for making. David Morse June 13,
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 17, Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Hydraulic engine. John Strong Hemp and flax, mode of breaking. Hezekiah Betts Hending rice, machine for. Christopher Hoxie, Hudson, N. Y. Jan 7, 1803 Horizontal wind mill. John Baptiste Avelthe House fan, improved. Edward Marquam Heating and boiling. See Water. Hinges, machine for making. David Morse Hats, improvement in the mode of manufacturing. E. Corning, jun. Hartford, Connecticut June 13, Hats. See Seals' Fur. Horizontal draft wind mill. Samuel Goodwin Oct 31,
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, March 27, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 11, 1791 Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Aug 5, 1799 Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Aug 5, 1799 Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Feb 20, 1801 Hydraulic engine. John Strong March 24, May 19, 1800 Hydraulic engine. John Strong March 24, May 1, 1803 Hulling rice, machine for. Christopher Hoxie, Hudson, N. Y. Jan 7, 1803 Horizontal wind mill. John Baptiste Avelthe - March 16, - March 28, Mar
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, H Hydraulics, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Hemp and flax, mode of breaking. Hezekiah Betts Hemp and flax, mode of breaking. Hezekiah Betts Horizontal wind mill. John Baptiste Avelthe Horizontal wind mill. John Baptiste Avelthe Heating and boiling. See Water. Hinges, machine for making. David Morse Hats, improvement in the mode of manufacturing. E. Corning, Jun. Hartford, Connecticut June 13, Oct 31, Horizontal draft wind mill. Samuel Goodwin Oct 31, Hemp and flax. See Breaking
Maine, Geering for mills, making. Charles Neer, Waterford, N. Y. March 6, Grinding and polishing hard and soft substances. Benjamin Green, Hartford, Vermont, March 27, H Hydraulies, improvement in. Joshua Hatheway, Vermont Harbors. See Docks Hemp, &c. breaking and swingling of. Samuel Mullikin, Phil. March 11, 1791 Hemp and flax, &c. spinning of. George Parkinson, Phil. March 11, 1791 Hemp and flax breaking. Samuel Mullikin, Philadelphia Hats making. James Long Aug 5, 1799 Hoops of iron, improvement in straightening. B. Seymour Hides and skins, machine for splitting. T. O. Harrison Aug 5, 1799 Hydraulic machine for raising water. Bar. Langdon, St. Alban's, Vermont Feb 20, 1801 Hydraulic engine. John Strong March 24, May 19, 1800 Hydraulic engine. John Strong March 24, May 1, 1803 Hulling rice, machine for. Christopher Hoxie, Hudson, N. Y. Jan 7, 1803 Horizontal wind mill. John Baptiste Avelthe - March 16, - March 28, Mar

Hackling. See Tow.
Hats, machine for making bats or frames for wool. R. Gookins,
New-Hampshire, Massachusetts Jan 24, 1806
Hoisting machine. Wm. Purden, Baltimore March 19,
Hemp and flax machine. R. Button, Cassenovia, New York Feb 11, 1807
Hats. See Carding.
Heating rooms, mode of. Allan Pollock, Boston - April 24,
Heating water for steam by the rays of the sun. Mat. Long-
well, Gettysburg, Pennsylvania July 11,
Harrow, improvement in. Seth Vinton, Willington, Conn. Nov. 18, -
Hoop and sheet iron. J. H. Pierson, Rockland - Dec. 24,
Hemp machine for breaking and swingling. T. Cohoon, Wash-
ington April 13, 1808 Hats, cloths, &c. mode of manufacturing from the fleece, with-
out bowing. R. Pitkin, East Hartford, Connecticut April 23, -
Hydrant for drawing water from aquæducts. D. Burt, She-
nectady, New-York June 22,
Heating liquids. Samuel Bolton, Philadelphia - Jan 16, 1809
Heating liquids. Samuel Bolton, Philadelphia Jan 16, 1809 Holland gin, mode of making. A. Bouchrie, Philadelphia Jan 31,
Horse boat. Moses Craft, Troy, New-York Feb. 14,
Hand saw. See Saw
Harness. Benjamin Mirick, Rutland county, New-York - April 21,
Hubbs, machine for dividing and boring. J. B. Cleveland, Ber-
gen, New-Jersey June 7,
Hemp and flax spinning machine. N. Foster, Flamsbury, Ken. June 28,
Hats, mode of manufacturing. Henry Lainhart, jun. Balt. July 6,
Hot pressing paper. Francis Baily, Philadelphia July 31,
Hydraulic ram. Jos. Cerneau and S. J. Hallet, New-York Aug 3,
Horizontal mill. Israel Kelsey, Hartford, Connecticut, Aug 25, -
Horse shoes, machine for making. S. Decatur and W. Tat-
ham, Washington Oct 11,
Hides, improvement in Bent's machine for splitting. W. Brown,
Philadelphia Nov 20,
Heat to fluids, mode of application. S. Applegate, T. How-
ard, and P. H. Wharton, Philadelphia - Nov 22,
Hemp break. William Mason, Washington county, Ohio - Dec 28,
Hopper blower. T. S. Barnum, Sharon, Connecticut - Jan 18, 1810
Hair, method of extracting from peltry. E. Cutter, Walpole, New Hampshire Feb 12,
Hats, planking. John Gregg, Green county, Pennsylvania March 14, -
Hoops, Machine for shaving. David Shiver, Petersburg, Penn. March 17,
Horse mill. Ephraim Brown, Boston, Massachusetts - April 10,
Hides, machine for shaving and splitting. N. P. Whiting, Pro-
vidence, Rhode Island April 25,
Hats, mode of manufacturing military. S. Hoskins, Catskill,
New York April 30,
Hinges, mode of casting. G. A Rogers, Newburyport, Mass. July 3,
Harness, mode of making, for saddlery. B. Foster, D. Washburn,
N. Rockwell and J. O. Walker, Castletown, Virginia Aug 1,
Hessian fly, mode of destroying. W. Armistead, Prince William
county, Virginia Nov 13,
Hats, manufacturing. S. Sibballs, jun. Tyringham, Mass. Dec. 26,
Horses, training and breaking. Townsend Cock, New York March 1, 1811
Hats, planking and setting. Israel Swan, Haverhill, N. H. March 7, -
Hats, steaming, &c. J. Sizer, New London, Connecticut Nov 6,
Hats of paper. Joseph Ford and John White, Boston - Nov 25,
Hydro pneumatic engine. R. Crosbic, Newark, N. J Jan 6, 1812
Hats. Frederick Messer, Guildhall, Vermont - Jan 23, Harsa hoofs for combs made from E. Morris Canvies South-
Horse hoofs, &c. combs made from. E. Morris, Canviss, Southington, Connecticut May 6, 22
ington, Connecticut , which is a May b, we

Hatters, machine for boiling for. H. S. Holliday and E. G. Griffin, Lyme, Connecticut	June 6, 1812
Hides, machine for breaking, &c. N. Kirk and S. Clark, St.	July 18,
Clairsville, Ohio Hides and skins breaking, &c. T. E. Barker and S. S. Ford-	outly 10,
ham, Hudson, New York	Oct 15,
Hinge, eliptical. M. and R. Reeve, Burlington, New Jersey	Oct 31,
Hulling machine. S. Hought, Philadelphia	Nov 16,
Hide, mill for softening, &c. W. Edwards, Northampton, Mass.	Dec 30,
Hair. See Cloths.	0 . 14 . 1019
Hats, mould for forming, &c. J. Werely, Albany, New York	Oct 14, 1813
Hair, machine for spinning. W. Shotwell and A. Kinder, N. Y.	Nov 4,
Hair, machine for carding, &c. do do	Nov 4, Jan 15, 1814
Hopper, filler for flour. A. Hershe, Lancaster, Pennsylvania	Jan 21,
Hats, making feit. J. Carleton, Salem, New Humpshire	April 27,
House warmer, &c. R. Annesley, Philadelphia	May 18,
Hinges, cast iron. Cyrus Aiger, Boston Horn, splitting and shearing. John Pulsifer, Newbury, Mass.	May 24,
Holdfast for buttons. Ira Ives, New Haven, Connecticut	June 18,
Horse boats, machine for. David Dunham, New York	June 28,
Harness buckles, cutting. James Carman, Hudson, N. Y.	Oct 12,
Heater and condenser for distilling. Thomas Shurley, Madi-	
son county, Virginia	Nov 18, -
Hedles, metalic, for weaving. W. James and D. Bolles, Ash-	
ford, Connecticut	April 26, 1815
Hydrastatic paradox to move, machine. Cad. D. Colden, N. Y.	May 19, -
Hats, manufacturing. Jehiel and John Bryan, Saratoga, N. Y.	Aug 26,
Heat, space applied to steam engine. E. Burrali, Canaan, Conn.	Jan 31, 1816
Hats, making cemented. Nathan Weston, Reading, Mass.	May 24,
Hats, blocking. David Beard, Guilford, North Carolina	May 28,
Hatters' plank kettle. Schuyler Fisher, Herkimer co. N. Y.	July 15,
Hats, improvement in. William Goodrich, Philadelphia	Aug 20,
Horse mill. William Cornwell, Accomak, Virginia	Dec 14, — Aug 7, 1817
Hydraulic machineCharles Darmand, Georgetown, D. C.	
Hais water proof stillening william Ruesas Barrinore	
Hats, water proof stiffening. William Ruckle, Baltimore	Nov 28,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie,	
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York	Jan 28, 1818
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby	
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut	Jan 28, 1818
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H.	Jan 28, 1818 Feb 28,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey	Jan 28, 1818 Feb 28, Feb 25,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H.	Jan 28, 1818 Feb 23, Feb 25, Aug 1, Nov 18, Nov 13,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia	Jan 28, 1818 Feb 23, Feb 25, Aug 1, Nov 18, Nov 13, Nov 19,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and	Jan 28, 1818 Feb 23, Feb 25, Aug 1, Nov 18, Nov 13, Nov 19,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania	Jan 28, 1818 Feb 23, Feb 25, Aug 1, Nov 18, Nov 13, Nov 19, Feb 8, 1819
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass.	Jan 28, 1818 Feb 23, Feb 25, Aug 1, Nov 18, Nov 13, Nov 19, Feb 8, 1819
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county,	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 3,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 3,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania Horse boats, improvement in the. B. and J. C. Langdon, Troy,	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 23, June 2,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania Horse boats, improvement in the. B. and J. C. Langdon, Troy, New York	Jan 28, 1818 Feb 25, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 3, April 23, June 2, June 5,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania Horse boats, improvement in the. B. and J. C. Langdon, Troy, New York Hot pressing, heating plates for. Moses A. Quigley, Wash-	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 23, June 2, June 5,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania Horse boats, improvement in the. B. and J. C. Langdon, Troy, New York Hot pressing, heating plates for. Moses A. Quigley, Washington county, Maryland	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 23, June 2, June 5, June 15,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania Horse boats, improvement in the. B. and J. C. Langdon, Troy, New York Hot pressing, heating plates for. Moses A. Quigley, Washington county, Maryland Heights and distances, machine for measuring. Benjamin Wil-	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 23, June 2, June 5, June 15,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania Horse boats, improvement in the. B. and J. C. Langdon, Troy, New York Hot pressing, heating plates for. Moses A. Quigley, Washington county, Maryland Heights and distances, machine for measuring. Benjamin Wilmer, Baltimore	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 23, June 2, June 5, June 15, Aug 20, Aug 20,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania Horse boats, improvement in the. B. and J. C. Langdon, Troy, New York Hot pressing, heating plates for. Moses A. Quigley, Washington county, Maryland Heights and distances, machine for measuring. Benjamin Wilmer, Baltimore Hats, water proof stiffening for. J. Heinrie Tilge, Washington	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 23, June 2, June 5, June 15, Aug 20, Scpt 23,
Horn, manufacturing for combs. M. P. Smith, Poughkeepsie, New York Hulling grain, machine for. Benjamin Maltby and Maltby Fowler, New Haven, Connecticut Hulling grain, machine for. James Jones, Willington, N. H. Horse rake. Pierson Reading, Trenton, New Jersey Horse wheel to propel boats. R. Bowne and J. Murphey, N. Y. Hydraulic machine. Joseph James Lyngamore, Maryland Heat retainer and imparter. J. K. Mitchell, Philadelphia Hides, machine for breaking. William M. D. Hashbrouch and Jacob Dufenback, Bloomsbury, Pennsylvania Hats, making. Silas Mason, Norfolk, Massachusetts Hoe, improvement in the. E. Kimball, Fitchbury, Mass. Hydraulic machine. Jeremiah Black, Northumberland county, Pennsylvania Hat rounder and gauge. S. Jones, Bridgeport, Fayette county, Pennsylvania Horse boats, improvement in the. B. and J. C. Langdon, Troy, New York Hot pressing, heating plates for. Moses A. Quigley, Washington county, Maryland Heights and distances, machine for measuring. Benjamin Wilmer, Baltimore	Jan 28, 1818 Feb 28, Feb 25, Aug 1, Nov 18, Nov 19, Feb 8, 1819 Feb 20, April 23, June 2, June 5, June 15, Aug 20, Aug 20,

Hollowing iron for fire, &c. See Fire, mode hollowing.			
Hats, elastic water proof. Arnold Buffum and J. Kelly, Med-			4000
ford, Massachusetts			1820
Hoe, improvement in the common. P. H. Merrill, Hinsdle, N. H.		6,	
Horse shoes improvement in. J. B. Brown and J. Farmer,			1000
	March	11,	1822
Hair, mode of taking from the skins of the Nutria. Samuel			
Brooks, New York	April	- 4,	
Horse hay rake, improvement in the. Moses Pennock, East	Tour	oc	
Marlborough, Pennsylvania	June	20,	
Hulling machine for grass seeds, &c. Thatcher Blake, Paris,	T.,].,	10	
Maine	July	12,	
Hydrometer, improvement in the. J. C. Tucker and E. Dwelle,	Theo	02	
Boston	Dec		1823
Hats and bonnets, weaving straw for. Lucy Burnap, Merri-	Jan	J,	1020
mack, New Hampshire	Feb	15	
Hames, improvement in the chaise. Herrick Aiken, Brighton,	100	10,	
Massachusetts	March	12	
Hoes, improvement in. Joseph Watson, New Canaan, Conn.	July		
Hulling grain, machine for. Nathaniel Barrett, Paris, N. Y.	Aug		
Hats, improvement in the kettle for coloring. Joel Taylor,	8	,	
Danbury, Connecticut	Nov	20,	
Harrow teeth, improvement in making. William M'Conaughey,		, ,	
Newgarden, Pennsylvania	Dec	8,	
Hydrants, improvement in the construction of. T. Gibson, Phil.	Dec		
Do S. Ewing, do	Dec		
Hats, machine for steaming and hardening. Nirum Wildman,			
Danbury, Connecticut	April	2,	1824
Horse and oxen shoes, improvement in making. Peter Stern-			
berg, Danube, New York	April	10,	-
Horse wheel, improvement in the inclined. J. Keller and S.		00	
Burt, Cincinnati, Onio	April	23,	
Horse wheel, improvement in the inclined. John Bradford,	3.5	1.	
Lexington, Kentucky	May		
Hulling grain, machine for. William J. Hart, Talmage, Ohio	May	21,	
Hydraulic machine, double reacting. James O'Connor, Bed-	Morr	വ	
ford, Pennsylvania Hoe-harrow, improvement in the. Aquila Newbern, Bristol,	May :	23,	
Pennsylvania	June	1 .	
Hub or gig band, improvement in the carriage. Christian	o ano	1,	
Cornelius, Philadelphia	June	18	,
Horse scythe. John A. Wadsworth, Newport, Rhode Island	July		
Hats dyeing. Israel Taylor, Trenton, New Jersey -	Aug		
Hatters' grates for boilers, &c. Hubert V. Raymond, N. Y.	Sept		`
Harrow, self-sharpening. H. Hopkins and J. Pratt, Pompey,			
New York	Nov	9,	***
Horse-rake, improvement in the revolving. Moses Pennock		1	
Kennett Square, Chester county, Pennsylvania -	Nov ?	$23, \cdot$	
Horse-rake revolving. do	Feb	8,	1825
Hoes, improvement in making. Paul Whitin, Northbridge,	40		
Massachusetts	Feb		
Horse power to all kinds of machinery. Benj. Maltby, N. Y.	April	11,	
Hat bodies, improvement in the mode of making. Joseph Grant,		00	
Providence, Rhode Island	April S	28,	
Hatters' planking kettle, improvement in. Ezra Joyce, Brook-		•	
lyn, New York	June	6,	
Hubs, east iron, improvement in. Benjamin Lyman, Manches-	0-4	20	9
ter, Connecticut	Oct ?		
Hydrostatics. &c. improvement in. E. C. Genet. Albany, N.Y.	Oct :	1.	77

ford, New York	Nov		
Hats, mode of coloring and dyeing. Morris Burt, Warwick, N.Y.	Nov	8.	
Hats, mode of planking wool. Laban L. Macomber, Bath, Me.			
Heat, evolution and management of. Eliphalet Nott, Schenec-		,,,	
			1030
	March 2		
Horse mill. Adl. Warren, Saugertius, New York -	April 1	15,	No. 107
Hats, machine for finishing and ironing. James Cooper and	-		
Thomas Barnett, Philadelphia	May 3	1 1	-
Heat, evolution and management of. E. Nott, Schenectady,	may e	,,,	
New York	June ?	£1,	
Hydraulics, improvement in. Wm. Lanphier, Alexandria, D. C.	Sept	2,	
Hubs of wheels, boring machine for the. Ebenezer Johnson,	. ,	•	
Lexington heights, New York	Nov	7	
Hay, double box for pressing. E. Waterhouse, Gardiner, Maine		æ,	
Hides, machine for breaking. Hezekiah S. Chark, Randolph			
county, North Carolina	Dec 2	22,	
Hats, application of steam in making. William Harkins,			
Wheeling, Ohio county, Virginia	Dec S	90	
	Doc	٠,,	
Heat, improvement in the evolution and management of. E.	-		
Nott, Schenectady, New York	Dec 2	29,	
Hoes, in making. Chauncey Bulkley, Colchester, Connecticut	Jan 1	10,	1827
Heating ovens, rooms, &c. mode of. Michael B. Poitiaux,		•	
Richmond, Virginia	Jan :	17	
Hats, improvement in the mode of planking R. Bacon, Boston		ы,	
Harrow teeth, in the apparatus for constructing. William			,
M'Conaughey, Newgarden township, Pennsylvania	Feb 1	16,	'
Horse rake, for hay and grain. Moses and Samuel Pennock,			
East Marlborough, Pennsylvania	Feb 1	17	te
Hatters' cards, mode of making. Joseph C. Seely, New York			
Horse hay rake, improvement in the. Jeremiah Baitey, Phil.		ω,	
Hominy, machine for making. Robert Cambell, Martinsburg,			
Virginia	A		
	April	9.	
Hathodies, machine for setting up. Joseph Grant, Providence.	April	9,	
Hatbodies, machine for setting up. Joseph Grant, Providence,	-		
Rhode Island	April 1		
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles	April 1	10,	
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine	April 1	10,	
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine	April 1	10,	
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenec-	April 1	10, 25,	,•'
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine	April 1	10, 25,	,•'
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York	April 1	10, 25,	,•'
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenec-	April 1	10, 25,	,•'
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I	April 1 May 2 May :	10, 25, °	· · ·
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I	April 1 May 2 May :	10, 25, °	,•'
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock	April 1 May 2 May 2	10, 25, 30,	 1799
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts	May 2 May 2 Feb June	25, 30, 26, 9,	 1799 1801
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in casting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed	April 1 May 2 May 2	25, 30, 26, 9,	 1799 1801
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in casting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat.	May 2 May 2 May 2	25, 30, 26, 9, 15,	1799 1801 1802
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass.	May 2 May 2 May 2	25, 30, 26, 9, 15,	1799 1801 1802
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for easting.	May 2 May 2 May 2	25, 30, 26, 9, 15,	1799 1801 1802
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for easting.	April 1 May 2 May 2 Feb June July March	26, 9, 15,	1799 1801 1802
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for easting. Iron, mode of manufacturing. James Rutland, Philadelphia	April 1 May 2 May 2 May 2 Feb June July March 2	26, 9, 15, 24, 12,	1799 1801 1802 1804 1807
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for easting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York	April 1 May 2 May 2 May 2 Feb June July March 2 Nov	26, 9, 15, 124,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md.	April 1 May 2 May 2 May 2 Feb June July March 2 Nov	26, 9, 15, 124,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsic,	April 1 May 2 May 2 May 2 Feb June July March 2 Nov April June	26, 9, 15, 24, 12, 25, 24,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsic, New York	April 1 May 2 May 2 May 2 Feb June July March 2 Nov April June May	26, 9, 15, 24, 12, 25, 24, 15,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil.	April 1 May 2 May 2 May 2 Feb June July March 2 Nov April June May	26, 9, 15, 24, 12, 25, 24, 15,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil.	April 1 May 2 May 2 May 3 Feb June July March Nov April June May March	26, 9, 15, 24, 112, 25, 24, 15, 14,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil. Ink stands of stone. A. H. Quincy, Boston	April 1 May 2 May 2 May 2 Feb June July March 2 Nov April June May	26, 9, 15, 24, 112, 25, 24, 15, 14,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in easting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil. Ink stands of stone. A. H. Quincy, Boston Iron, mode of making bar from scraps. B. King, Washington,	April 1 May 2 May 2 May 3 Feb June July March Nov April June May March Sept	26, 9, 15, 12, 24, 15, 14, 3,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in casting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Iliuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil. Ink stands of stone. A. H. Quincy, Boston Iron, mode of making bar from scraps. B. King, Washington, District of Columbia	April 1 May 2 May 2 Feb June July March Nov April June May March Sept Nov	26, 9, 15, 24, 12, 24, 15, 14, 3, 15,	1799 1801 1802 1804 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in casting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil. Ink stands of stone. A. H. Quincy, Boston Iron, mode of making bar from scraps. B. King, Washington, District of Columbia Iethy occalla, or fish glues. D. Waldron, New York	April 1 May 2 May 2 May 3 Feb June July March Nov April June May March Sept	26, 9, 15, 24, 12, 24, 15, 14, 3, 15,	1799 1801 1802 1804 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in casting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Iliuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil. Ink stands of stone. A. H. Quincy, Boston Iron, mode of making bar from scraps. B. King, Washington, District of Columbia	April 1 May 2 May 2 Feb June July March Nov April June May March Sept Nov	26, 9, 15, 24, 12, 24, 15, 14, 3, 15,	1799 1801 1802 1804 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in casting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil. Ink stands of stone. A. H. Quincy, Boston Iron, mode of making bar from scraps. B. King, Washington, District of Columbia Iethy occalla, or fish glues. D. Waldron, New York	April 1 May 2 May 2 Feb June July March Nov April June May March Sept Nov March	26, 9, 15, 24, 15, 14, 3, 15, 4,	1799 1801 1802 1804 1807 1808
Rhode Island Hats, water proof stiffening. Stephen Hempstead, jr. Charles county, Maine Heat, evolution and management of. Eliphalet Nott, Schenectady, New-York I Iron, improvement in casting. William Hancock Impellent pump. S. Thayer. Braintree, Massachusetts Iron, method of rolling out for nails. Jesse Reed Insubmersible boat. See Boat. Inclined plane, statical wheel. John William, Deerfield, Mass. Iron screws. See Moulds for casting. Iron, mode of manufacturing. James Rutland, Philadelphia Impelling boats, &c. Benjamin Taylor, New York Illuminator for lighting stair cases. J. H. Ross, Baltimore, Md. Indigo, a substitute for. Samuel De Riemer, Poughkeepsie, New York Iron, machine for moulding and rolling. Joseph White, Phil. Ink stands of stone. A. H. Quincy, Boston Iron, mode of making bar from scraps. B. King, Washington, District of Columbia Icthy occalla, or fish glues. D. Waldron, New York Iron ore manufacturing into paints. Nicholson, Bairdstown,	April 1 May 2 May 2 Feb June July March Nov April June May March Sept Nov	26, 9, 15, 24, 15, 14, 3, 15, 4, 23,	1799 1801 1802 1804 1807 1808

Ice breaking machine. J. J. Williams, Georgetown, D. C.	March	2,	1813	
Ink stands. Oliver Barker, Hartford, Connecticut Iron, composition for softening. A Scott, jun. and A. Seldon,	May	13,	1014	
Winchester, New Hampshire	Nov	8.		
Iron back log. Charles Harris, Boston			1815	
Interest table, improvement on Jelleff's. Gilbert D. Lowe,				
Hampfield, Pennsylvania	Aug			
Imprinting on hard substances. John Edwards, New York			1816	
Inclined horse wheel. J. B. Robinson, Cincinnati, Ohio -	Oct	14,		
Iron railing, machine for making holes in. B. King, Washing-		20	1010	
ton, District of Columbia	May	29,	1819	
Iron, converting into steel partially. Eben. Jenks, Colebrook,	Ion	28	1813	
Iron plates, &c. manufacturing. E. J. Ellicot, Baltimore	May			
Ink standish, construction of. A. Hayward, Easton, Mass.	Nov			
Inclined horse wheel. J. Palmer, Cincinnati, Ohio -	Dec			
Iron and steel, improvement in making. H. G. Spafford, Al-				
bany, New York	Oct	30,	1822	
Inclined wheel, dead weight application to the. George Ly-			* 000	
	March			
	March			
Do John Hastings, Cambridge, Mass. Inclined wheel, propelling the. N. H. Shaw, Charlotte Hall,	Aug	14,		
Maryland	Oct	9.	1824	
Inclined plane, double. Archibald Tanner, Warren, Penn.	April			
Iron and other metals, machine for slitting. Jesse Reed,		, í		
Marshfield, Massachusetts	April	21,		
Iron and other metals, splaying and flaring. Noah Sutton,		•	•	
Bowery, New York	April			
Inclined plane. Edward Clark, New York	June	21,		
Ice, applying to conduit pipes. Henry Cunningham, Johns-		90		
town, New York Inclined wheel, manner of using the. Elias Holliday, Scho-	Juno	~0,		
harie, New York	May	5,	1826	
Iron, improvement in the mode of rolling. Abraham S. Valen-	•			
tine, Bellefonte, Pennsylvania			1827	
Irons for planes and jointers. Chs. E. West, Colchester, Conn.		10,		
Inlaying gold in tortoise shells. Uriah Bailey, West Newbury,	Ech	ດລ		
Massachusetts	Feb	22,		
J				
			2	
Jaundice bitters. Jesse Wheaton, Dedham, Massachusetts	Jan	17,	1801	
Junk old See Oukum.				
Joining and planing machine. J. S. Mott, Alburgh, St. Albans,	Manah	0	1906	
Jointer and guage. J. Wadsworth, Milton, Massachusetts	March	10	1810	
Jostick, a composition instead of. Frederick Eckstein, and J.		10,	1010	
M'Ilhenny, Philadeiphia	Oct	12,	1814	
Jack. William Hoyt, Brookville, Indiana	June			
Jointing and matching boards. D. Gleason and H. Frisbee,				
Betheny, New York	April	8,	1826	
Jointing and tongueing boards. Elijah B. Clark, Damascus,		0.1	-00=	
Pennsylvania	Jan	31,	1827	
17				
K				
Keels. See Crooked Keels.			2	
Keels of vessels, improvement in construction. Gilbert Living-			-	
ston, Duchess county, New York			1803	
Kilns for drying grain. William Pool, Wilmington, Delaware	Dec	20.	1805	

Kilms for drying grain. J. Abraham, Middlesex, New Jersey Knapsacks, military. J. P. Lherbette, Washington, D. C. Kirb. See Case.	Dec 20, 1805 Oct 7, 1808
Kiln, drying corn and malt. John Hughson, Clinton co. N. Y. Keel, swinging. Josiah Beall, Alexandria - Kitchen stove. John Spencer, Albany, New York - Kitchen, moveable. George Youle, New York - Knapping cloth. D. Merrion and H. Kellog, Hudson, N. Y. Knapping cloth. T. S. Barnum and E. Smith, Litchfield, Conn. Knapping cloth. W. Duncan and J. Davidson, Acworth, N. H.	July 18, 1811 Jan 15, 1815 Feb 8, 1813 July 1, 1814 Oct 28, 1811 April 4, — May 27, —
Knitting stocking and stockingnette. A. Porter, I. Mead and J. Stedwell, Queensbury, New York Kilns for manufacturing earthen ware. J. Hassell, Elizabeth-	July 31, 1815
Knapping machine. John Taylor, Waltham, Massachusetts Keel, swinging false. Philander Hall Kiln for burning lime. T. Power, Hudson, New York Kiln for burning lime. G. Harper, Jenkertown, Pennsylvania Kiln for burning lime. J. Swope, Lancaster, Pennsylvania Knapping woollen cloth. Bishop N. Parsons, New York Kneading dough, machine for. S. Dixon, Prince Georges county, Maryland Kettles for boiling salt. J. Kindall, Fayette county, Penn Kettles, setting. George Whitfield, Robinson, Massachusetts Kiln for drying malt by steam. David St. Leger. Williamson	Oct 21, Oct 28, April 2, 1816 Jan 7, 1817 Jan 22, March 14, April 16, Feb 28, 1818 March 18, July 17,
county, Tennessee Kiln for drying grain. R. Andrews, Fleming county, Ken. Knife for splitting leather, improvement in the. H. Aiken,	Aug 30, 1822 Nov 7, March 12, 1823
L .	-
Leather tanning. James Davis, Massachusetts Liquor. See Distilling. Lamp, a tailow. J Love	April 14, 1797 June 11, 1798
Leather tanning. James Davis, Massachusetts Liquor. See Distilling. Lamp, a tailow. J Love Looms, improvement in. David Greive Lathe. improvement in blocking. E. Whiting, Worcester, Massachusetts Light obtained from fuel, new mode. B. Henefrey Lantern, improvement in. J. Stanford, jun. and A. D. Allen Lime kiln, improvement in. Thomas Power	April 14, 1797 June 11, 1798 June 8, 1797 April 1, 1802 April 16, — May 10, 1804 July 12, —
Leather tanning. James Davis, Massachusetts Liquor. See Distilling. Lamp, a tailow. J Love Looms, improvement in. David Greive Lathe. improvement in blocking. E. Whiting, Worcester, Massachusetts Light obtained from fuel, new mode. B. Henefrey Lantern, improvement in. J. Stanford, jun. and A. D. Allen Lime kiln, improvement in. Thomas Power Leeches, bleeding and breeding with. John Kunitz, Phil. Lock, balance pendulum. S. Godwin and R. Gaines, Baltimore and Georgetown Loom for weaving chip. P. Bennet, Rochester, Massachusetts Lock, balance pendulum. R. Gaines, Georgetown, D. C. Lime. See Calcareous.	April 14, 1797 June 11, 1798 June 8, 1797 April 1, 1802 April 16, — May 10, 1804 July 12, — May 7, 1805 Jan 22, 1806
Leather tanning. James Davis, Massachusetts Liquor. See Distilling. Lamp, a tailow. J Love Looms, improvement in. David Greive Lathe. improvement in blocking. E. Whiting, Worcester, Massachusetts Light obtained from fuel, new mode. B. Henefrey Lantern, improvement in. J. Stanford, jun. and A. D. Allen Lime kiln, improvement in. Thomas Power Leeches, bleeding and breeding with. John Kunitz, Phil. Lock, balance pendulum. S. Godwin and R. Gaines, Baltimore and Georgetown Loom for weaving chip. P. Bennet, Rochester, Massachusetts Lock, balance pendulum. R. Gaines, Georgetown, D. C. Lime. See Calcareous. Lasts for boots and shoes. W. Young, Philadelphia Leather, mode of preparing for suspenders. O. Webb, N. Y. Lever for turning wheels, rowing boats, &c. R. Hopkins, Hop-	April 14, 1797 June 11, 1798 June 8, 1797 April 1, 1802 April 16, - May 10, 1804 July 12, - May 7, 1805 Jan 22, 1806 Feb 8, - March 17, May 20, 1807 Oct 14,
Leather tanning. James Davis, Massachusetts Liquor. See Distilling. Lamp, a tailow. J Love Looms, improvement in. David Greive Lathe. improvement in blocking. E. Whiting, Worcester, Massachusetts Light obtained from fuel, new mode. B. Henefrey Lantern, improvement in. J. Stanford, jun. and A. D. Allen Lime kiln, improvement in. Thomas Power Leeches, bleeding and breeding with. John Kunitz, Phil. Lock, balance pendulum. S. Godwin and R. Gaines, Baltimore and Georgetown Loom for weaving chip. P. Bennet, Rochester, Massachusetts Lock, balance pendulum. R. Gaines, Georgetown, D. C. Lime. See Calcareous. Lasts for boots and shoes. W. Young, Philadelphia Leather, mode of preparing for suspenders. O. Webb, N. Y. Lever for turning wheels, rowing boats, &c. R. Hopkins, Hopkinton, St. Lawrence county, New York Life buoy, or seaman's friend. W. Flower, Philadelphia Lighting the binnacle of ships. W. Lewis, Boston Leather, machine for shaving and splitting. Martin Tullar,	April 14, 1797 June 11, 1798 June 8, 1797 April 1, 1802 April 16, - May 10, 1804 July 12, - May 7, 1805 Jan 22, 1806 Feb 8, - March 17, May 20, 1807 Oct 14, March 25, 1808 May 14, June 24,
Leather tanning. James Davis, Massachusetts Liquor. See Distilling. Lamp, a tailow. J Love Looms, improvement in. David Greive Lathe. improvement in blocking. E. Whiting, Worcester, Massachusetts Light obtained from fuel, new mode. B. Henefrey Lantern, improvement in. J. Stanford, jan. and A. D. Allen Lime kiln, improvement in. Thomas Power Leeches, bleeding and breeding with. John Kunitz, Phil. Lock, balance pendulum. S. Godwin and R. Gaines, Baltimore and Georgetown Loom for weaving chip. P. Bennet, Rochester, Massachusetts Lock, balance pendulum. R. Gaines, Georgetown, D. C. Lime. See Calcareous. Lasts for boots and shoes. W. Young, Philadelphia Leather, mode of preparing for suspenders. O. Webb, N. Y. Lever for turning wheels, rowing boats, &c. R. Hopkins, Hopkinton, St. Lawrence county, New York Life buoy, or seaman's friend. W. Flower, Philadelphia Lighting the binnacle of ships. W. Lewis, Boston	April 14, 1797 June 11, 1798 June 8, 1797 April 1, 1802 April 16, — May 10, 1804 July 12, — May 7, 1805 Jan 22, 1806 Feb 8, — March 17, — May 20, 1807 Oct 14, — July 29, — Oct 3, — Nov 4, —

Lathe, uniform turning. A. Hagget. Middlesex, Mass.	June 10, 1809
Lever balance, spring catch. Levi Kendall, New York	May 8,
Lathe, mode of securing a button in. George W. Robinson	
Providence, Rhode Island	June 27,
Lathe turning. W. Ross, Chester county, Pennsylvania	July 10,
Leather machine, for striping. D. Ridgway -	Oct 26, -
Loom for weaving girt and cloth. R. Lloyd, Philadelphia	Feb 8, 1810
Lamps and liquid to be burned. J. Hawkins, Baltimore -	April 21,
Leather, machine for stamping and staining. R Robinson.	11pm 21,
Newburyport, Massachusetts	March 16,
Lantern, a reflecting and magnifying. W. Lewis, Boston	June 1,
Loom. Walter Janes, Ashford, Connecticut	Sept - 1,
Loom. S. Blydenburgh, West Brookfield, Massachusetts	
Loom. P. Clinton Curtis, Paris, Oneido, New York	Sept 12, - Nov 17,
Loom, water Thomas Mussey, Philadelphia -	
Lee board. J. Swain, H. Swain, Joshua Swain, Cape May, N.J.	March 4, 1811
Toron nurchase for propelling for Shubail Vinball Dhine	April 10,
Lever purchase, for propelling, &c. Shubail Kinball, Rhine beck, New York	
beck, New York	April 24,
Lime kiln, perpetual. W. Gorsuch, Baltimore	- Aug 17,
Looms. N. Perry, Boston	Sept 25,
Loom crank. E. Cutter, Walpole, New Hampshire	Sept 27,
Loom. Richard C. Rogers, Maine, Massachusetts	Nov 29,
Loom. Richard Crosbie, Newark, New Jersey	Jan 6, 1812
Loom, hand and water. John Thorp, Providence, R. I.	March 28,
	March 28,
Loom, water. Silas Shepard, Philadelphia	April 27,
Linen spinner. S. Baldwin and E. Town, Vermont	May 6, -
Liquids, machine for heating. Roswell Valentine, Canaan, N.Y.	June 13,
Loom. Richard C. Rogers, District of Maine	June 23,
Leather, plane for shaving. F. Woodward, New Lisbon, N.Y.	
Looms. John Phelps Manlius, New York	Aug 27,
Looms. C. Cooper and G. Shaake, Lebanon, Pennsylvania	Aug 28,
Looms. John Hevin, Montgomery, Virginia	Oct 16,
Leather compressing by a roller. W. Edwards, Northampton,	
Massachusetts	Oct 17,
Lamps. James Mallory, New York	Nov 20,
Linen spinner. A. Webster, Green county, New York	Dec 31,
Lamp for nurses. William Howe, Boston -	Dec 31,
Loom, domestic and manufactory. W. Jones, Ashford, Conn.	March 20, 1813
	March 23,
Leather, machine for splitting, &c. Samuel Parker, Bellerica,	
Massachusetts	April 5,
Loom. S. Briggs, Canaan, Connecticut	April 5, May 27,
	April 5,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusotts Loom. T. Robinson Williams, Newport, Rhode Island	April 5, May 27,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts -	April 5, May 27, June 18,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York	April 5, May 27, June 18, July 3,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston	April 5, May 27, June 18, July 3, June 24,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston	April 5, May 27, June 18, July 3, June 24, Aug 5,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2, Jan 7, 1814 Feb 1,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts Lee's New London billious pills. Samuel H. P. Lee, New Lon-	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2, Jan 7, 1814 Feb 1,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts Lee's New London billious pills. Samuel H. P. Lee, New London, Connecticut	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2, Jan 7, 1814 Feb 1,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts Lee's New London billious pills. Samuel H. P. Lee, New London, Connecticut Looms. John Heavin, Montgomery, Virginia	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2, Jan 7, 1814 Feb 1, Feb 8,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts Lee's New London billious pills. Samuel H. P. Lee, New London, Connecticut Looms. John Heavin, Montgomery, Virginia Looms. D. Briggs, Canaan, Connecticut	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2, Jan 7, 1814 Feb 1, Feb 8, Feb 18, Feb 19,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts Lee's New London billious pills. Samuel H. P. Lee, New London, Connecticut Looms. John Heavin, Montgomery, Virginia Looms. D. Briggs, Canaan, Connecticut Loom, water. B. Brown, Albemarle, Virginia	April 5, — May 27, — June 18, — July 3, — June 24, — Aug 5, — Aug 20, — Oct 2, — Nov 4, — Nov 2, — Jan 7, 1814 Feb 1, — Feb 18, — Feb 18, — Feb 19, — March 21, —
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts Lee's New London billious pills. Samuel H. P. Lee, New London, Connecticut Looms. John Heavin, Montgomery, Virginia Looms. D. Briggs, Canaan, Connecticut Loom, water. B. Brown, Albemarle, Virginia Looms. J. Coulter and St. Gano, Berkley, Virginia	April 5, May 27, June 18, July 3, June 24, Aug 5, Aug 20, Oct 2, Nov 4, Nov 2, Jan 7, 1814 Feb 1, Feb 18, Feb 19, March 21, April 18,
Loom. S. Briggs, Canaan, Connecticut Loom. Alfred Ware, jun. Franklin Massachusetts Loom. T. Robinson Williams, Newport, Rhode Island Loom. E. Robinson, Augusta, Massachusetts Locks, construction of. W. Pye, New York Lamp, with double reflector. W. and L. Foster, Boston Loom, revolving. J. Hess, Hempfield, Pennsylvania Leather, water proof. J. Board, New York Loom. Robert Sugden, Boston Loom. J. M. Morel, Guiramond, Baltimore Loom for warping. C. Whitney, Dedham, Massachusetts Lee's New London billious pills. Samuel H. P. Lee, New London, Connecticut Looms. John Heavin, Montgomery, Virginia Looms. D. Briggs, Canaan, Connecticut Loom, water. B. Brown, Albemarle, Virginia	April 5, — May 27, — June 18, — July 3, — June 24, — Aug 5, — Aug 20, — Oct 2, — Nov 4, — Nov 2, — Jan 7, 1814 Feb 1, — Feb 18, — Feb 18, — Feb 19, — March 21, —

Looms. Thomas Siddall, Bristol, Pennsylvania	July	9,	1814
Loom, family. C. Hathaway, Walton, New York	Oct	11,	-
Loom. W. Wright, Brooklin, New Hampshire -	Oct	12,	
Looms. Seth Craig, Philadelphia	Oct		
Loom, stocking. J. Bazen, jun. Canton, Massachusetts	Oct		
Looms, temples for. B. Rogers, Beaver Creek, Ohio	Nov		-
Looms. S Browson, Kent, Connecticut	Nov		
Lathe Wheel. B. Hoadly, New Haven, Connecticut	Dec		
Lathe for polishing buttons, &c. L. Meriam, N. Haven, Conn			1815.
Loom for the warp of suspenders. W. Squire, New York Loom, water or steam. S. Blydenburgh and H. Kealey, We	Jan	11,	
cester, Massachusetts	Feb	20	-
Looms F. C. Lovell and P. T. Jackson, Boston	Feb		
Looms. J. Jelless, Butternuts, New York	May		
Looms. C. Cooper and G. Shalk, Lebanon, Pennsylvania	May		
Ladder, conflagration. Bennet Lies, New York -	June		
Lexodromic pully. J. S. Donlevy, New York	- Sept	21,	
Lime, ardent spirits obtained from. James Hall, Virginia	Nov	22,	
Lotteries. Joseph Vanini, Washington, District of Columbi			
Loom, water. P. C. Curtis, Paris, New York	May		
Loom. Robert Jackson, Middleborough, Pennsylvania	July		
Loom, power. S. Shepard and J. Thorp, Taunton, Mass.	July		
Loom. Samuel Chapman, Otsego, New York			
Loom, water. Thomas Mussey, New London, Connecticut- Last, right and left. William Young, Baltimore,	June June		
Loom. Benjamin Cummings, Townsend, Massachusetts			
Letters, projecting. Lewis Child, New York	Oct		
Lint loom. Francis Hall, Charleston, Massachusetts	Nov		
Laths, &c. machine for splitting. Daniel Wright, Frankl		,	
New York		15,	1818
Lamps, improvement in. Winslow Lewis, Boston -	Jan		
Locks and bolts for doors. William Pye, New York -	April		
Lock, called the union lock. William Pye, New York	April	28,	8.0
Leather tubes, making. A. L. Pennock and James Sellers, Ph	il. July	6,	g-en
Leather bags for mails, &c. A. L. Pennock and James Selle		1	₹
Philadelphia	July		
Locks, securing. G. Whitfield Robinson, Attleborough, Mar	ss. July	17,	
Lathes for turning gunbarrels. Daniel Dana and A. Onle Canton, Massachusetts	Aug	94	
Loom, improvement in the. Edward Warren, New York	Aug Aug		
Leather, varnishing and japaning. J. Finegan, New Jersey	Oct		
Lamp, Argand's, improvement on. David Milville, Newpo	rt.	٠,	
Rhode Island,	Nov.	19.	
Lever, crane. E. Smith, Paris, Oneida county, New York	Dec		
Loom, improvement in the. L. Forester, Fairfield, Conn.	May		1819
Lathe, of the power loom. John Whitehead, Providence, R	. I. Aug		-
Lamp, candle. Asa Taylor, Philadelphia	Oct	9,	-
Locks for canals. Josiah White, Philadelphia -	- Oct		
Lamp, pneumatic. Ezekiel F. Smith, Lenox, Massachusett			
Lock, water. John Martin, Windham county, Connecticut			1820
Locks, improvement in. Henry and Jacob Day, New York	April		
Letters, shaded. George Bruce, New York	April	4,	
Locks for small arms and cannon. Alexander Augustus Colv Little River, Maine	ne, - April	กฉ	,
Leather, machine for splitting. E. Howard and J. Butters, E.			
Locks, latches, &c. improvement in. Harvey Durkee, assign		U,	
of J. Chittenden, Burlington, Vermont -	- Aug	12.	
Longitude, mode of finding the. James Henry, Maysville, K			
Lathe for stiffening hats. Henry Raymond, Baltimore	- Nov	'	
Leather, machine for finishing. James Burr, Johnstown, Mo		•	
gomery county, New York	- Nov	21,	100 to
7			

Lamps for burning fat, &c. Josiah Warren, Ohio	Feb	20,	1851
Land clearing machine. Thomas Oxley, Norfolk, Virginia	April	18,	
Lamps, improvement in. James Dukes, New York	Aug		
Locks and bolts, improvement in. T. Whaley, New York.	Nov		,
Loom, improvement in the Edmund Warren, New York	Dec	11,	4-
Life pole for fire engines. William W. Van Loan, Catskill, N. Y.	Feb	2,	1822
Lamps, improvement in the tubes for. Deming Jarvis, Cam-	-		
bridge, Massachusetts	Feb	2;	,
	April	13,	~~~
Loom, self-governing. Mdmund Warren, New York	May.		
	May		
Locks and latches, improvement in. Joel F. Thayer, Boston	May	18,	an ee
Leather, improvement in the machine for splitting. Joshua	1	110	
Butters, Boston	May		WO .
Lever, improvement in the. Richard Sealy, New York	July		
Locks for canals. George Bender, New York -	Aug	26,	
Locks, improvement in the sliding door. Ebenezer Leman, jr.	2 - 1		- 4
Boston	Nov		-
Lamps, improvement in. C. Cornelius, Philadelphia	Dec		
	larch		
	June		
Lottery schemes, construction of. Joseph Vannini, Phil.	Oct	18,	
Lathe, improvement in the turning. C. White and A. Hill,	1	00	1001
	arch	30,	1824
Lancet, improvement in the spring. Jeremiah Dewey, Chel-	A	3	
	April		
Locks, improvement in the door. Richard Wilcox, New York	July.		
	July.	10,	
Lithography, improvement in. David Henderson, Jersey City, New Jersey	Sept	17	
Lever truss and sling for vessels. S. A. Wells, Boston			
Lotteries, improvement in the sign for. Elijah Secor, N. Y.			
Lotteries, improvement in the mode of drawing. J. I. Cohen, jr.		٠,	
	arch	3.	
	arch		
Leather, machine for shaving, John Houston and Otis Batchel-	1		
	April	11,	
	May		
Lottery schemes, construction of. John M. Togno, Philadel-			
phia, Pennsylvania	May	16,	
Lotteries, projecting, calculating and drawing. W. Seger, Ber-	,		
gen, New Jersey	May ?		-
Lighting binnacles of ships. Joseph F. Smith, Baltimore, Md	June	.1,	
	June	2,	
	June	9,	-
	Sept		-
	Sept	9,	m- m-
Lightning rods. John Brown and G. W. Robinson, Providence,	n		
	Sept 2	34,	
Leading bar and pole for carriages. Lucius W. Stockton,	Cant 6	10	*
	Sept S		
	Sept 2 Nov		
	Dec 2	. ~ '	
Locks, paddle or culvert grates for. Daniel Rodgers, Little	DCC 2	٠٠,	17.3
	rch 1	7. 1	826
Lever, combined pendulum and balance. Alrick Berry and C.		100	. Say to
	rch 2	5,	
	pril 1		
Loom, improvement in the. Roswell Wilcox, Franklin co. Ohio A	pril 2	1,	
Lotteries, forming schemes. Edward Grattan, Providence, R. I.	Tow 1	6	

Lathe, for turning broomsticks. John Hunt, Shutesbury, Mass.	June 8,	1896
Loom, improvement in the. Cor. Bergen, New York Lock, mode of preserving the timber of. Simeon Guilford, Le-	June 14,	
banon, Pennsylvania	June 10,	990 346,
Ladder, fire, improved. Samuel Lehman, Philadelphia	Aug 9,	
Lamp black, improvement in making. Joseph Hastings, Cam-	. 15	
bridge, Massachusetts	Aug 15,	
Loom, improvement in the Samuel Chidester, Windham, N. Y. Loom, improvement in the domestic. Jer. Hubbard, James-	Sept 2,	-
town, North Carolina	Nov. 6,	
Lotteries, method of drawing. Wm. C. Conine, Baltimore	Nov 14,	
Lotteries, mode of drawing. John C. Rives, Washington, D. C.	Nov 22,	
Lithontriptor, improvement in the Isaiah Lukens, Philadel.	Nov 30,	
Lamp apparatus, for liquids, &c. Thomas Green, Fessenden,	T 01	100=
Boston, Lime and brick, improvement in burning. Solomon Hill, New	Jan 31, 1	1827
Milford, Connecticut	Feb 12,	
Locks for doors, constructing. John Brown and George W.	100 12,	
Robinson, Providence, Rhode Island	Feb 20.	anan
	- 2018	
\mathbf{M}		2019
Marble and stone reliablished Con St Con	- 100	
Marble and stone, polishing of. See tone, &c. Mills, tide, improved method of working. J. Dickerson, Morris		
county, New Jersey	July 30,	1791
Mill wheels, horizontal hollow. J. Macomb, Princeton, N. J.	Aug 26	
Mill, improvement on Dr. Barker's. J. Rumsey, Berkley coun-		
ty, Virginia	Aug 26,	
Mills, conveying water to operate on. James Rumsey, Berkley	4 00	
Machine to work in a current of water or other fluid. John	Aug 26,	
Clark, Virginia	Dec 31,	1793
Mill stones. See Stones.	200 01,	2.000
Mortar, manufacturing of, for flooring houses, &c. Richard		
Robotham, Vermont	April 12, 1	
Mill stones, burr, improvement in. Oliver Evans Marble and other stones, improvement in sawing and polishing.	May 28, 1	1796
Joseph F. Mangin	July 2,	a.
Marble, improvement in cutting and polishing. Joseph F.	. oury 2,	
Mangin - :	Feb 16, 1	1797
Mills, rollers for slitting and other mills, (rolling iron.) Ben.		
Seymour		
Mills, saw, improvement in. Henry Dulheuer, Mills, improvement in. J. W. Curtis	<i>U</i> . ,	-
Machine for heaving down vessels; raising weights, &c. Ste-	Aug 24,	
phen Colver	Dec 14, 1	1798
Mill, a flax and hemp. B Tyler	Feb 26, 1	
	April 30,	
Machine for raising water, &c. William Faris	May 17,	
Malt mashing, a machine for. William Ellis -	,	
Mill, saw. Thomas Payne Mills, improvement in. Hairland Chase	T 10	
Metal amulets. Edward West	May 19, 1	
Musical instruments, improvement in. J. J. Hawkins -	0 1 01	-
Mill for grinding painters' colors, &c. Caleb Green, East Green-		
wich, Rhode Island	July 23, 1	801
Machine for separating straw from grain. See Straw. &c. Meal, improvement for cooling and conveying up, &c. Gurdon,		
F. Saltonstall, Fayetteville, North Carolina	Aug 21,	
Mechanical powers for the use of windmills, &c. See Windmill		10
Moveable suspended heam and scales. See Beam and Scales, &c.		

N. T. J.	. 7	
Machine for ruling paper. See Ruling Paper.	"	
Machine for rolling iron round. See Rolling Iron, &c.	^	
Music, new plan for printing. Andrew Law	May 12	2, 1802
Mill wheels, improvement in the construction. James Cowan	Dec 14	
Marble. See Machine for sawing stone, &c.		
Marle, mode of manufacturing into lime. Jedediah Peasley,		
Demographism Vincinio		1902
Deweysburg, Virginia	Feb 1	, 1003
Marble, method of preparing for painting. Archibald Robert-	_	1001
son, New York	March 5	
Metallic grinder or hone. Christian Veltenair -	Aug 10	,
Mill. See Grist		•
Metallic hone. John Houstan, Williamsburg, Virginia -	May 4	, 1805
Moulds for easting iron screws, method of making. Eben		
Lester, Herkimer town, New York	May 10	, _1
Mills and machinery, improvement in. Lewis Velcourt, Ken.	June 25	
Mills for cattle, power. La Paype, aine, Baltimore, Maryland	Nov 4	
Mud, machine for raising John Eveleth	Feb 21	1, 1806
Moulds, method of making, for casting trundle heads of metal.		
Eben. Lester, Kittle Falls, New York		2, 1807
Main springs for carriages. Jonathan Mix, New Haven, Conn.	April 18	8,
Mills, improvement in. Christian Hamaker, Lancaster	May 2	1,
Mortising machine. S. Glover and D. Parnelle, Newton, Conn.	June :	
Moulds. See Copper.		- 1
M'Comb's water wheel. See Reacting.	*1	1
	Tob 17	1 1000
Mills, improvement in. Samuel Mans and J. Black, Penn.		7, 1809
Mills, improvement in. Ephraim Rew, Canandaigua, N. Y.	Feb 2	2,
Mad dog, medicine to cure the bite of. Eliza Stoy, executor of		
William Stoy, Lebanon, Pennsylvania	June S	9,
Mill for grinding painters' colors. J. J. Wells, Hartford, Conn.	June 13	3,
Mowing machine, for rivers, &c. William Schultz, Baltimore.	June 1	6,
Morocco leather, machine for polishing. Jacob Perkins, Phil.	June 2	6,
Mud, machine for raising. John Newman, Providence, R. I.	June 2	7, 1
Magic lotion. See Barbal, &c.		
Mineral waters, mode of imitating. Joseph Hawkins, Balt.	Sept '	7,
Metals, mode of melting. Joseph Walworth, New York	Oct 1	
Marine time keeper. Isaac Gill, Charleston, South Carolina		5, 1810
Measuring grain, &c. P. H. Schenk, New York	Feb 13	
	-	
Mortising machine. H. Parmele, Killingworth, Connecticut	Feb 1	,
	March 1	
	March 2	
	March 2	8,
Marble, machine for cutting and chiselling, &c. Anson Clark,		
West Stockbridge, Massachusetts	April 1	0,
Mills, mode of constructing. J. Frisbie, Pennsylvania -	June 3	0,
Moulds for casting boxes for carriages. Samuel Smith, 2nd.		
Amherst, Massachusetts	July	6
	March :	
Mill stones, machine for dressing. C. Woolverton and Benja-		.,,
min Ridgeway, jun. Morrisville, Pennsylvania -	May 2	5
		υ,
Marble, machine for sawing and polishing. Luther Bissel, Ot-		P 7
sego, New York	June	J.*
Medicine cases. Allen Harrington, Otsego, New York -	July 1	
Mill stones. William Miller, Lampeter, Pennsylvania -	Aug 1	
Metallic boxes for shieves. L. Larrabee, Nantucket, Mass.	Nov	
Mill, regulated. Joseph Quinby, Wilmington, North Carolina	Feb 3	
Musical types. Ure K. Hill, New York	Feb. 7	7,
Mill, wind and water. Moses Pennock, Kennet Square, Penn.	Feb 18	
Mill, machine for working. J. Deveneur De Lacy, New York		
Magnesia, preparing. William Dunn, Boston -	April 1	
	April 22	
Mills moved by weights. J. Grannis, Cheshire, Connecticut	May 1	
2	J	,

Moffat's machine for boiling salt. Zina Phinney, Cairo, N. Y.	June 18,	1812
Malting and kiln drying. H. Parsons, Colebrook, N. H.	July 9,	-
Magnetic cylinders. S. Browning, Franconia, N. Hampshire	Oct 13,	-
Mill wheel. R. Lathrope, West Springfield, Massachusetts	Nov 12,	
Mowing machine. P. Gaillard, Lancaster, Pennsylvania	Dec 4,	
Magnesia, preparing. William Dunn, Boston	April 8,	
Mill stones, for taking the glaze off. J Derby, Connecticut	June 10,	
Mill, grist. A. Sawyer, Chester, Vermont	July 20,	
Mill for grinding and pounding. Alex D. Moore, New Haven	Aug 7,	
Mustard, flour of. S. Hopkins, Rathaway, New Jersey	Aug 19,	
Mills, gudgeon. M. Withers, Strasburg, Pennsylvania	Aug 24,	
Mills. E. Bryant, New London, Connecticut	Feb 8,	
Mowing machine P. Baker, Long Island, New York Match lights and boxes. R. Allison and N. S. Allison, Burling-	Feb 19,	
	March 26,	
Mockasins and socks. W. Bolton, Northampton, Mass.	Oct 21,	
Mill stones, machine for raising. Thomas Reynolds, West Fal-	000 21,	
lowfield, Pennsylvania	Nov 8,	
Magnetic cylinder. S. Browning, Franconia, New Hampshire	Nov 25,	
Mill, tide. F. Rittal, Lincoln, Massachusetts	Jan 28,	1815
Mockasins, hat trimmings for. James Jackson, Burlington, N. J.	April 1,	4-
Machinery for regulating power. Joseph Kells, New York	April 1,	
Mills, water power for working. J. W. Newbury, Luzerne,		
Pennsylvania	June 28,	
Mineral fountain, family. G. E. Pendergast, Philadelphia	Aug 18,	
Mould for making stone pots. Edward Boston, Gloucester, N.J.	Oct 14,	
Mineral waters, manufacturing. B. Marshall, Albany, N. Y.	Dec 5,	
Mill for grinding grain, &c. Ormsby and T. Cohoon, Washing-		
ton, District of Columbia	Jan 4,	1816
Maintaining power on board of ship. David Pearson, Newbu-	T - 04	
ryport, Massachusetts	Jan 24,	
Mills, improvement in saw. Samuel Brewster, Middlesex, N. J. Mill tub, winnowing. Moses Elliot, Concord, N. Hampshire	March 15,	
Mill, tide. Josiah Cleveland, St. Marys, Maryland	May 18,	
Mill, horse. Webb Hart, Drummondtown, Virginia	Oct 22,	
Mineral waters, making. James S. Ewing, Philadelphia	Jan 22, Feb 10,	1017
Mustard, flour of. Samuel Hopkins, Philadelphia -	May 31,	
Mills, ink and gudgeon for. John Andrews, Dinwiddie coun-	may or,	,-
ty, Virginia	Aug 11,	
Mortising machine. Nathan Mead and Jonathan Butler, Wal-		
pole, New Hampshire	Nov 3,	
Morocco, machine for dyeing, &c. Moses Hall, Charleston,	-	
Massachusetts	Dec 31,	
Metallic portable bedsteads. Joseph Homer, New York	Jan 28,	1818
Motion, machine for conveying. William Simpson, Wilkes		
county, Georgia	Feb 19,	
Mills, iron and steel. Increase Wilson, New London, Conn.	March 6,	
Mud machine. Samuel Davis, Baltimore Musket barrels, machine for turning. Sylvester Nash, Har-	March 28,	
pers-ferry	A! 1 1 1	
Magnesia liquid. John Cullen, Philadelphia	April 11,	
Music arranged to books. M. Eiliot, Boscawen, Hillsboro'	May 4,	
New Hampshire	June 9,	`
Mills for coffee, bark, seed, &c. Burrows Smith, Cincinnati,	June 3,	
Ohio	June 9,	
Mill for grinding coffee, &c. Jonathan Sizer, for Z. Water-	J 1110 0,	
house, New London, Connecticut	June 12,	
Measuring rod, improvement in. Daniel Stansbury, Laurel	,	
Hill, New Jersey	Oct 26,	-
Mill stones, casting faces for. G. Manter, Londonderry, N. H.	Dec 8,	-~ '
,		

Motion, producing an alternate lateral. N. Moody, Kennebec,	
Massachusetts Feb 19, 1819	3
Mud machine. See Clearing.	
Mineral waters, apparatus for making. S. Fahnestock, Lan-	
caster, Pennsylvania April 23,	
Motion, mode of converting. A. W. Foster and J. Hughes,	
Hempfield, Pennsylvania April 26,	
Morocco leather, machine for dyeing, &c. L. Hedge, Windsor,	
Vermont July 22,	
Mapping machine. James Deneale, Dumfries, Virginia Aug 3,	
Music, improvement in teaching. George Gieb, New York Aug 30,	
Musical stringed instruments, producing the swell in. C. Pom-	
mer, Philadelphia Aug 30,	
Medicine, improvement in. Lorenzo Dow, Hebron, Conn. Nov 24, 1826	•
Mills, breasted tide, improvement in. Henry Allen, Fayette	
county, Tennessee Dec 30,	
Mantle pieces, cast iron. Isaac Deavs, Philadelphia - Feb 21, 1821	
Mercantile navigable house. Roger Haskell, Geneva, N. Y. July 7,	
Mud machine, improvement in the. John Eveleth, George-	
town, District of Columbia Aug 8,	
Mill, improvement in Barker's. Charles Goddard, Sabine Hall,	
Virginia Sept 27,	
Medicated steam bath, machine used in the. Benj. Marshall,	
New York Dec	
Mowing machine. Jeremiah Baily, Chester county, Penn. Feb 13, 1822	2
Mockasins and socks, improvement in. William Brower, Rans-	
selear county, New York March 6,	
Mills, improvement in grist. John and David Hascall, Likay,	_
New York March 9,	
Mills, improvement in wind, water and tide. Peter Quidor, jr.	
New York March 21,	
New York March 21, Mapping instrument. Samuel Dew, Romney P. O. Virginia April 13,	
New York Mapping instrument. Samuel Dew, Romney P. O. Virginia Mills, improvement in. Robert Burns, Mifflin county, Penn. June 20,	
New York Mapping instrument. Samuel Dew, Romney P. O. Virginia Mills, improvement in. Robert Burns, Mifflin county, Penn. Marine rail way, improvement in the. John Rogers, Washing-	
New York Mapping instrument. Samuel Dew, Romney P. O. Virginia Mills, improvement in. Robert Burns, Mifflin county, Penn. Marine rail way, improvement in the. John Rogers, Washington, District of Columbia March 21, April 13, June 20, June 24,	
New York Mapping instrument. Samuel Dew, Romney P. O. Virginia April 13, Mills, improvement in. Robert Burns, Mifflin county, Penn. June 20, Marine rail way, improvement in the. John Rogers, Washington, District of Columbia June 24, Marble, machine for sawing. Eben W. Judd, Middleburgh, Ver. Aug 14,	
New York Mapping instrument. Samuel Dew, Romney P. O. Virginia Mills, improvement in. Robert Burns, Mifflin county, Penn. Marine rail way, improvement in the. John Rogers, Washington, District of Columbia Marble, machine for sawing. Eben W. Judd, Middleburgh, Ver. Mills floating horizontal wheeled. George H. D. Gray, South	
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New York Mapping instrument. Samuel Dew, Romney P. O. Virginia Mills, improvement in. Robert Burns, Mifflin county, Penn. Marine rail way, improvement in the. John Rogers, Washington, District of Columbia Marble, machine for sawing. Eben W. Judd, Middleburgh, Ver. Mills, floating horizontal wheeled. George H. D. Gray, Southampton, Virginia Medicine, mode of preparing. Samuel Thompson, Boston March 21, April 13, June 20, Aug 14, Sept 25, Jan 28, 1823	
New York Mapping instrument. Samuel Dew, Romney P. O. Virginia Mills, improvement in. Robert Burns, Mifflin county, Penn. Marine rail way, improvement in the. John Rogers, Washington, District of Columbia Marble, machine for sawing. Eben W. Judd, Middleburgh, Ver. Mill, floating horizontal wheeled. George H. D. Gray, Southampton, Virginia Medicine, mode of preparing. Samuel Thompson, Boston Mineral waters. Joseph Hawkins, Philadelphia March 21, April 13, June 20, Aug 14, Sept 25, Jan 28, 1823	
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March 21, — Mapping instrument. Samuel Dew, Romney P. O. Virginia Mills, improvement in. Robert Burns, Mifflin county, Penn. Marine rail way, improvement in the. John Rogers, Washington, District of Columbia Marble, machine for sawing. Eben W. Judd, Middleburgh, Ver. Mill, floating horizontal wheeled. George H. D. Gray, Southampton, Virginia Medicine, mode of preparing. Samuel Thompson, Boston Mineral waters. Joseph Hawkins, Philadelphia Mill stones, machine for dressing. Leonard Norcross, Maine Mail stages, construction of. Daniel D. Eames, New York Mechanical power, improvement in. Lorin Buts, Canterbury, Connecticut Mill spindle, improvement in the grist. Wanton Rice, Athens, Bradford county, Pennsylvania Medicine, improvement in. Alfred Tillotson, New York Mail-bags, improvement in making. Peter Laporte, Richmond, Virginia Medicine, improvement in. Gideon Jaques, Wilmington, Del. Mead, carbonated sarsaparilla. John L. Schieffelin, New York Mill, vertical cylindrical foot. Samuel Fowks, Catskill, N. Y. Moccasins, shoes, &c. improvement in making. J. J. Staples and W. H. Cornell, New York Mile marks, improvement in. William M. Summers, N. Y. March 21, April 13, June 20, Aug 14, Aug 14, Aug 15, Aug 14, Aug 14, Aug 14, Aug 14, Aug 15, Aug 17, Aug 14, Aug 1	1

Mowing machine. Ezra Cope and T. Hoopes, jun. Chester	- '		
county, Pennsylvania	May 18		.825
Marble grinder. Harlow J. Torrey, New York	Nov 1	ί,	
Marble smoother and polisher. do	Nov 1	ĺ,	100 400
Mills for grinding grain, drugs, &c. Joseph Ives, New York	Dec 2	2,	
Mortising machine. Ezra Ripley, Troy, New York -	Dec 22	2,	
Mashing machine, for distilleries. Warham Whitney, Roches-		0	
ter, New York	Jan 19	, 1	826
	Feb 23		
Marble rubbing and scouring machine. Elijah Ferris, West			
	March 3	7,	-
Mill stone, concave and convex. J. Sawyer and E. Clark, Roy-		_	
	March 18	3,	
Mill, mortar tub. James Parker, Gardiner Maine	March 28	3,	
Mortising machine, lever power. Thomas Creen, Manlius, N.Y.	April 12	2,	
Mill, improvement on Bicknell's grist. Moody Stockman,		1	
Hampton, New Hampshire	-April 18	3,	-
Mills, improvement in grist. F. Harris and J. Wilson, Troy, N.Y.	June !	9,	
do Isaac Ryon, Bridewater, Mass.	June 29		
Mills, improvement in grist. Jedediah Northrop, Woodbridge,			
Connecticut	July 3	1.	
Mud machine, improvement in the. Samuel Collins, N. York	Sept 2		
Mill, improvement in the grist. Moses Mendenhall, Greens-		.,	- 10
borough, North Carolina	Oct 2	n.	-
Mill, improvement on Bicknell's grist. James Bemis, Worces-		,	
ter, Massachusetts	Nov 1	7	
Mills in the water, gate for. Henly Potes, Christiansburg, Va.			
Mill, improvement in the grist. Anthony Bencine, County,	o an	,	10/3:
North Carolina	Jan 1	6	
Mortising machine, bearded chisel. Silas Metcalf, Wilming-		ν,	
ton, Vermont	Jan 1	7	
Mill, improvement in the grist. William Benbow, Guilford		٠,	
North Carolina	, Jan 1	Q	
Machinery used in navigation. John J. Giraud, Baltimore, Md.			
Mills, improvement in the grist. Fdward Newman, Guilford	Jan o	٠,	
county, North Carolina	Feb	G	
Mill, improvement in horizontal wind. Origen Packard, Wil-		υ,	
mington, Vermont	Feb 1	9	
Mills, improvement in the mode of shutting the gate in. Ori-		,~,	_
gen Packard, Wilmington, Vermont -	Feb 1	2	
Moths and worms, mode of preventing in skins, &c Samue		~,	
Storm, New York	Feb 1	7	Mit col
Mill, improvement in the grist. Benjamin Overman, Greens-		• ,	
borough, North Carolina	Feb 2	8	
Mill, improvement in the horizontal wind. John Reynolds		,,	
America, New York	March 1	5	
Mill and crusher, improvement in the grist. John G. Morse.	water a	,	
Randolph county, North Carolina	March 2	0.0	and use
Marine rail ways, improvement in. John Webb, New York	May I		
Mills for grinding grain, improvement in. Abraham Delap and		1.1,	
Avery Coe, Guilford, North Carolina -	May 3	1	0
arrory ooc, duntord, from Catolina	may e	, 1,	
NT.			
. N			
Nails, machine for making. S. Briggs, jun. and Son, Phil.	A 12.00	9	1.01
Nails, manufacturing. T. Perkins, Pennsylvania	Aug	٠,	1704
Nails cut, manufacturing. J. G. Peerson, New York	Feb		
Nails, manufacturing. Jacob Perkins, Boston -	March S	6,	170:
Nails, improvement in manufacturing. J. Byington, Conn.	Jan 1	5	1795
Nails, machine for making. Peter Lachaine, Maryland	Jan I		1130
Nautical ventulators. See Vessel.	May	4,	
radition vollators. See vessel.			

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Nails, cut, manufacturing. Peter Cliff	Nov 16,	1796
Nails, heading and cutting machine for. I. Garretson -	Nov 16,	
Nails, machine for cutting. Amos Whittemore -	Nov 19,	
Nails, improvement in manufacturing. John Bigelow -	Nov 19,	
Nails, cut, manufacturing. George Chandlee	Dec 12,	
Nails, cut, improvement in manufacturing. Daniel French	Dec 23,	-
Nails, wrought, improvement in manufacturing. D. French	Dec 23,	
Nails, heading, improvement in. Jared Byington -	Dec 23,	
Nails, improvement in heading. J. Frost	Dec 23,	
Nails, a machine for cutting and heading. N. Reed	Jan 8,	
Nails, improvement in making Lester Fling Nails, improvement in cutting and heading. James Spence	Dec 19,	1707
Nails, improvement in catting and neading. James spence Nails, improvement in heading and cutting. Jesse Kersey	Feb 16,	
Nails, improvement in heading and cutting. Joseph Nails, improvement in heading and cutting. Jonathan Nevill	Feb 24, Aug 12,	
Nails, &c. machine for making. Seth Hart	Jan 4,	
Nails, improvement in making. Jacob Herkins -	Feb 14,	
Nails, for cutting and heading. F. Young -	1 00	
Nails, machine for making and heading. M. Garber, Lancaster	11ug 20,	1 0
county, Pennsylvania	Feb 20,	1801
Nails cut from iron hoops, &c. M. Garber, Lancanster coun-	, = 02 , 79,	2002
ty, Pennsylvania	May 1,	
Nails rendered tough. Nathan Kent, New York	May 1,	
Nails milled out of heated rods. Jesse Reed, Boston -	June 9,	
Nails, machine for heading and cutting. W. Leslie, Claremont,		
New Hampshire	Nov 5,	
Nails, machine for cutting. Edward West, Fayette county, Ky.		1802
Nails, machine for heading and cutting. E. West, Fayette		
county, Kentucky	July 6,	
Nails, machine for making. Nathan Forbes	Aug 2,	
Nails, machine for heading. Ben. S. Walcott	Sept 4,	***
Neutral salts, improvement in extracting from alkaline. B.	77. 00	
Gorton	Nov 29,	
Nails, machine for making. William Caruthers	Dec 13,	
Nails, machine for making hot wrought. Oliver Bartlett, Geo.		400
Bartlett and Otis Bartlett	Feb 14,	1803
Nails and brads. machine for making out of hot rods. Lazarus	Oct 10,	
Ruggles, Milford, Connecticut Nails. See Rolling Plates of Iron.	Oct 10,	
Nails and brads, improvement in making out of rolled iron. Jos	-	
Elgar, Brookville, Maryland	Dec 16,	
Navigation, machine for the improvement of. A. Hunn, Dan-	÷00 ±0,	NA.
ville, Kentucky	March 24,	1804
Nails, machine for slitting and heading. Michael Garber	April 17,	
Nails and spikes, machine for making. B. Allison and R. French	June 6,	
Nails, improvement in machine for cutting. Nicholas Boureau	Aug 21,	***
Nails, machine for cutting with the grain of the metal. F. W.		
Geyssenhayner	Dec 22,	
Nails, brads, &c. machine for cutting. Increase Kimball, N. H.	May 1,	1806
Nails, machine for cutting and heading. Jesse Reed, Boston	Feb 22,	1807
Nails, machine for cutting. Elisha Bigelow, Baltimore	April 1,	-
Nails and brads, machine for. Jordan Dodge, Rutland, Ver.	July 8,	
Nails, machine for wrought. Jonathan Nichols, Rhode Island	July 11,	
Nails, machine for cutting and heading. S. Willard, Hudson,	Mor 20	
New York	Nov 30,	
Nails, machine for heading. Samuel Rogers, Plymouth, Mass.	Dec 15,	1000
Nails, machine for cutting. Jonathan Hicks, Hadley, Mass.	Jan 28, 1	1000
Nail machine. Joseph Jelleff, Butternuts, New York Nails, machine for heading. Asaph C. Handler and S. Shepard,	June 14,	-
Taunton, Massachusetts Navigating rivers and shoal waters. M. Williams, Albany, N.Y.	Sept 16, Feb 24,	7800
Nail machine. Jesse Reed, Lingston, Massachusetts	April 15,	
Tran machine. acous meson, ministron, massagnasons	ribin 10,	

Nail machine. Samuel Wilmot, jun. New Haven, connecticut April 8	21,	1809	
Nail machine. Luther Bissell, Hartwich, New York - June			
Nails, mode of casting composition. J. Walworth, New York Nov ?	22,	4040	
Nail machine. Briggs Rogers Reed, Danvers, Massachusetts March			
Nail machine, &c. Jacob Perkins, Boston - July			
Nail machine, eccentric roller. John Fairbanks, Boston Aug	14,	mer .	
Nail machine for cutting and heading at one operation. Briggs	10		
R. Reed, Salem, Massachusetts Aug	18,	• •	
Nail machine for cutting and heading at one operation. Jesse	10		
Reed, Kingston, Massachusetts Sept	10,		
Nail machine for cutting and heading at one operation. William	0.0		
Miller, New York Sept : Nail machine for cutting and heading at one operation. I. P.	20,	W.35"	
	Q	1011	
Nail machine, for wrought. A. Eastman, Norway, Mass. April		1611	
Nail machine. E. Avery Lester, Herkimer, New York May			
Nail machine. Jesse Reed, Kingston, Massachusetts - Aug.			
Nail machine. Mark and Richard Reeve, Philadelphia Nov			
Nail machine. Robert Turner, Boston Nov			
		1812	
Nails, machine for cutting and heading. J. White, Phil. Jan			
Nails, machine for cutting and heading. Mark and Richard	,		
Rceve, Burlington, New Jersey Feb	3.	8 to.	
Nail machine for cutting and heading. John Newalls, Nath.	-,		
and Daniel Chichering, Dover, Massachusetts - March	9,	86.01	
Nails, machine for heading and cutting. Mark and Richard			
Reeve, Burlington, New Jersey Oct	31,	84	
Nails, brass, copper, composition. G. W. Robinson, Attlebo-			
rough, Massachusetts March	17,	1813	
Nails, machine for cutting and heading. M. and R. Reeve,			•
Philadelphia April		60 20S	
Nap on cloth, machine for raising. J. Mather, Barre, Ver. May	27,	10.50	
Nail machine. William Lutgen, Marietta - Sept			
Nail machine. Mark and Richard Reeve, Philadelphia - Sept		40	
		1814	
Nails, machine for heading. S. Rogers, Bridgewater, Mass. Jan			
Nail, sprig, brad, machine. R. Turner, Boston Feb		***	
Nail cutting machine. E. A. Lester, Herkimer, New York April		GE 42	
Nails, machine for heading. Jacob Davey, Fairhaven, Ver. April	7,		
Nails, brads, &c. machine for. Stephen Belnap, Washington	0		
City April		~-	
Nails, cutting and heading. S. Rogers, Bridgewater, Mass. Oct			
Nails, cutting and heading. Jesse Reed, Hanover, Mass. Oct			
Nails, cutting and heading. Jesse Reed, Hanover, Mass. Dec		1015	
Nail machine. Nathan Elgar, York, Pennsylvania - June			
Nail machine. John Elgar, York, Pennsylvania - June	41,	ww ,	
Nails, machine for cutting and heading. Nathan Elgar, York-	95		
town, Pennsylvania July Nail machine. E. Bartholomew and W. Church, Boston Aug		**	
Nails, machine for heading. Henry Sedan, Troy, New York Nail machine. Charles Phillips, jun. Sacketts Harbor, N. Y. Oct			
Nail machine. W. Warring and C. Philips, jun. Jefferson, N. Y. Oct			
Nail cutter, cylindrical improvement. Jacob Perkins, Newbury-	~1,		
port, Massachusetts Nov	1.	86. ⁵⁰⁰	
Nail, brad, cutting machine. E. A. Lester, Baltimore - Dec			
Nail machine. Henry Hayes, Philadelphia Feb		1816	
Nail machine. F. A. Russell, Georgetown, D. C March			
Nails cutting and heading. Mark Reeve, Philadelphia - June			
Nail machine, improvement on. Mark Reeve, Philadelphia June			
Notes, bank. See Mark of Opacity.	,		

Nails, machine for cutting and heading. T. Newhall, jun. Es-	
corr country Magazahragetta	Sept 7, 1816
Nails, machine for cutting and heading. Israel Northorp,	1 /
Oneido, New York	Jan 7, 1817
Nails, machine for heading. Elisha Rigelow, Massachusetts	Jan 29,
Nail cutting machine. Roswell Noble, Baltimore -	Dec 17
Nap on cloth, machine for raising the. Eli Starr. Thomson.	
Sullivan township, New York Nails, machine for cutting and heading. Herman M'Cluer,	March 20, 1818
Nails, machine for cutting and heading. Herman M'Cluer,	
Cortland county, New York	April 18,
Nail machine for brads, &c. Gridley Jenkins, Plymouth coun-	
ty, Massachusetts	May 16,
Nail machine. J. Kells and J. Carter, Philadelphia	June 10,
Nail machine, improvement on. Melville Otis, Boston	Dec 31,
Nails, sprigs, clouts, &c. polished. Roswell Noble, Baltimore	May 17, 1819
Nails, machine for cutting and heading. Daniel Poole, Zanes-	Manak 00 1000
ville, Ohio Nails, machine for cutting and heading. Abiel Smith, Zanes-	March 22, 1820
ville Okie	Manch 99
	March 22, - Sept 5, 1821
Nail machine, improvement on the. Thomas Morgan, N. J. Nail machine, improvement on Perkins' and Reed's. George	Sept 9, 1021
Thompson, Philadelphia	Sept 15,
Nails, mode of securing the heads of. William Mellus, Dor-	Sept 10,
chester, Massachusetts	Aug 3, 1822
Nails, machine for cutting and heading. Lemuel Bolles, N. Y.	
Navigation, improvement in machinery for. Joseph Godley,	
Alexandria, New Jersey	Feb 22, 1823
Navigation, improvement in internal. James Renwick, N. Y.	Nov 7
Nails, improvement in making wrought. Leonard Norcross,	
Livermore, Maine	May 18, 1824
Nail engine, improvement in the. Thomas Morgan, Paterson,	
New Jersey	June 17,
Nankeen dye, for making. Adolphus G. Trott, New York	Feb 11, 1825
Nankeen, a buff color, mode of making. Joseph B. Nones, Phil.	April 28,
Nails, cutting and heading. Jesse Reed, Philadelphia -	April 22,
Nails, machines for feeding. do do	April 22,
Nankeen, mode of making yellow. Joseph B. Nones, Philadel.	April 28,
Nails, wrought, manufacture of. Henry Burden, Troy, N. Y.	May 26,
Nails, spikes, &c. improvement in wrought. Jos. Krauser, of	g - 09
Philadelphia	Sep 23,
$^{\prime}$	
Oil whole cleansing (Panismin Felmen Hudgen New York	Tan 0 1700
Oil, whale, cleansing. Benjamin Folger, Hudson, New York	Jan 2, 1792
Oiled silk, linen, &c. manufacturing. Ralph Hodgson, N. Y. Oil from cotton seeds. (See)	Feb 1, 1793
Oil, spermaceti, &c. purifying. Richard Robotham -	Aug 14, 1799
Oil, mode of infusing into leather. H. Guest, New Brunswick,	Hug 14, 1133
New Jersey	July 16, 1801
Oil press, improvement in. Josiah White	Nov 27, 1804
Oakum, mode of manufacturing from old junk, &c. Daniel	2.00.70.7
French, Middletown, Connecticut	Oct 9, 1805
Oakum, machine for picking, M. Morrison, Newburyport,	
Massachusetts	Feb 14, 1806
Oven. See Perpetual.	2
Oakum, mode of making. Daniel Rider, New York -	April 26, 1808
Ovens. John West, Stafford county, Virginia -	Oct 27, -
Oil, lintseed, mode of discoloring. N. S. Parmantier, Phil.	June 30, 1809
Ovens. John Barnett, Upper Providence, Pennsylvania	March 3,
Ores, mode of working certain. V. and J. King, Bellaire, Md.	
Ails made of nurifying Lewis Lecesne New York	Tune 93

O

Oil of vitriol, apparatus for. Richard Maben, New York -	Aug 21,	1811
Oven for baking. John Bouis, Baltimore	Dec 30,	1812
Oars, wheels for elastic. Louis M. Latour	Feb 16,	1813
Ores, reducing to powder. Henry Alexander, Baltimore -	Oct 27,	
Ores, melting Daniel Walworth, Middletown, Connecticut	May 27,	
Opacity, mark of. J. Rich and E. Star, Philadelphia	May 11,	
Ointment for various uses. Wm. Judkins, Smithfield, Ohio	June 26,	
Oar, head for steering. Cornelius Seaman, Washington county,		1018
Maryland	May 15,	
Ovens, mode of constructing E. Treadwell, Salem, Mass.	Aug 27,	
Organs, improvement in. Aaron M. Peasley, Boston	Nov 11,	
Odometer for measuring distances: J. Clarke, Powhattan coun-		
ty, Virginia Oxymuriate of lime, apparatus for the. J. Kendall, Lincoln,	Nov 30,	
Massachusetts	Jan 28,	1890
Ovens for baking. Richard Wilcox, New York	April 20,	
Oil from cotton seed. Geo. P. Digges, Albemarle, Virginia	Dec 16,	
Oven door flue. Benjamin Simmons, jun. Bedford, Mass.	Oct 15,	
Ornamenting cloth, mode of. J. C. Wood, Philadelphia	Dec 14,	
Oil, mode of expressing. John Hallock, Little Egg Harbor, N. J.		
Oil, making castor. Timothy Pharo, Tuckerton, New Jersey	Feb 5,	
Oil cloth; improvement in making. Isaac Macauley, Phil.	April 4,	
Oven, revolving. Stephen Harris, Norfolk, Virginia -	Dec 5,	
Oakum, machinery for picking. Ezekiel Waterhouse, Gardi-		
ner, Maine	April 24,	1826
Ornamenting walls, ceilings, &c. Wm. West, Philadelphia	May 20,	
Oil, mode of extracting by steam. David Dodge, Hamilton,		
Massachusetts	May 14,	1827
\cdot P		
Pantiles, making of. See Brick.	- 00	1
Punches for making impressions. Francis Bailey, Philadelphia	Jan 29,	1791
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass.	March 10,	1791
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia	March 10, Jan 30,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do	March 10, Jan 30, Jan 30,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do do do	March 10, Jan 30, Jan 30, Jan 30,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do do Pendulum, double. do do John Carnes, jun. Delaware	March 10, Jan 30, Jan 30, Jan 30, April 17,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn.	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31,	1791 1793 1794
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough.	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. McLean -	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean - Plants, preservation of. George Morris, Philadelphia	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean - Plants, preservation of. George Morris, Philadelphia - Pumps, improvement in. Theobald Bourke	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean - Plants, preservation of. George Morris, Philadelphia - Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean - Plants, preservation of. George Morris, Philadelphia - Pumps, improvement in. Theobald Bourke	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean - Plants, preservation of. George Morris, Philadelphia - Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley - Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut - Pumps, improvement in boring. Caleb Leach	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean - Plants, preservation of. George Morris, Philadelphia - Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley - Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut - Pumps, improvement in boring. Caleb Leach - Pills, anti-bilious. Benjamin Duvall	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall - Ploughs, improvement in. Charles Newbold - Pipes and pumps. See Water.	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall - Ploughs, improvement in. Charles Newbold - Pipes and pumps. See Water. Printing paper, leather, &c. a machine for. John Dixey	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26,	1791 1793 1794 1796 1797 1797
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall Ploughs, improvement in. Charles Newbold - Pipes and pumps. See Water. Printing paper, leather, &c. a machine for. John Dixey Pump, an oblique. Jonathan Hunt	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26, Jan 24, June 7,	1791 1793 1794 1796 1797 1797
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall Ploughs, improvement in. Charles Newbold - Pipes and pumps. See Water. Printing paper, leather, &c. a machine for. John Dixey Pump, an oblique. Jonathan Hunt Paper manufacturing, improvement in. Cyrus Austin	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26, Jan 24, June 7, Dec 14,	1791 1793 1794 1796 1797 1797
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall Ploughs, improvement in. Charles Newbold - Pipes and pumps. See Water. Printing paper, leather, &c. a machine for. John Dixey Pump, an oblique. Jonathan Hunt Paper manufacturing, improvement in. Cyrus Austin Pills, a composition for. Samuel Cooley	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26, Jan 24, June 7, Dec 14, June 6,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall Ploughs, improvement in. Charles Newbold - Pipes and pumps. See Water. Printing paper, leather, &c. a machine for. John Dixey Pump, an oblique. Jonathan Hunt Paper manufacturing, improvement in. Cyrus Austin Pills, a composition for. Samuel Cooley Pills, bilious. Samuel H. P. Lee	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26, Jan 24, June 7, Dec 14, June 6, June 26,	1791 1793 1794 1796 1797 1798 1798
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall Ploughs, improvement in. Charles Newbold - Pipes and pumps. See Water. Printing paper, leather, &c. a machine for. John Dixey Pump, an oblique. Jonathan Hunt Paper manufacturing, improvement in. Cyrus Austin Pills, a composition for. Samuel Cooley Pills, bilious. Samuel H. P. Lee Pumps for ships, mines, &c. John Stickney	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26, Jan 24, June 7, Dec 14, June 6, June 26, Nov 29,	1791 1793
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania — Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean — Plants, preservation of. George Morris, Philadelphia — Pumps, improvement in. Theobald Bourke — Printing press, improvement in a. Apollos Kinsley — Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut — Pumps, improvement in boring. Caleb Leach — Pills, anti-bilious. Benjamin Duvall — — — — — — — — — — — — — — — — — —	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26, Jan 24, June 7, Dec 14, June 6, June 26, Nov 29, Oct 28,	1791 1793 1794 1796 1797 1798 1798
Punches for making impressions. Francis Bailey, Philadelphia Piles, driving for bridges, &c. John Stone, Concord, Mass. Pendulum, double, for ships. Robert Leslie, Philadelphia Pendulum, clock. do do Pendulum, double. do do Paper moulds, improvement in. John Carnes, jun. Delaware Paper, improvement in manufacturing. John Biddis, Penn. Pumps, water working. E. Rigg, Pennsylvania - Pills, bilious, composition of. Samuel Lee, jun. Connecticut Paste. See Dough. Piano forte, improvement in the. James S. M'Lean Plants, preservation of. George Morris, Philadelphia Pumps, improvement in. Theobald Bourke - Printing press, improvement in a. Apollos Kinsley Preambulator for measuring a ship's way. Amos Whittemore Points to remove pains, &c. E. Perkins, Connecticut Pumps, improvement in boring. Caleb Leach Pills, anti-bilious. Benjamin Duvall Ploughs, improvement in. Charles Newbold - Pipes and pumps. See Water. Printing paper, leather, &c. a machine for. John Dixey Pump, an oblique. Jonathan Hunt Paper manufacturing, improvement in. Cyrus Austin Pills, a composition for. Samuel Cooley Pills, bilious. Samuel H. P. Lee Pumps for ships, mines, &c. John Stickney	March 10, Jan 30, Jan 30, Jan 30, April 17, March 31, July 29, April 30, May 27, July 10, Nov 16, Nov 16, Nov 19, Feb 19, April 13, May 3, June 26, Jan 24, June 7, Dec 14, June 6, June 26, Nov 29,	1791 1793

Piano forte, improvement in. John J. Hawkins Painters' colors, mode of grinding. See Mill for do.	Feb	12,	1800
Potash, mode of manufacturing. Thomas Power	Sept	19,	1801
Paper made of curriers' shavings. J. Condict, jun. Newark,			
New Jersey	\mathbf{Dec}	28,	/-
Paddles for propelling boats, improvement in. R. Claiborne, Monongalia county, Virginia	Feb	23,	1802
Potatoes. See Starch made from.			
Pumps, improvement in. Jacob Perkins	July		entite "
Pressing cotton, machine for. J. Idler, Washington City	Sept	24,	-
Paper manufactured from corn husks. Burgess Allison and John	-	0.0	
Hawkins, Burlington, New Jersey	Dec	30,	
Pentegraph and parallel ruler. J. J. Hawkins, Bourdenton,	71/2	1 17	1003
New Jersey - Pumping, machine for. John Clark, Hudson, New York	May		1803
Physiognotrace. Isaac Todd, Augustus Day and Wm. Bache	June		
Packing goods, machine for. J. Clark and E. Evans, Hudson,	buno	10,	
New York	July	20.	-
Pipes, leaden and others, secured from frost. David Lownes,		,	
Philadelphia	July	21,	an-ye
Powder mill, improvement in. George Keyser	July		
Pills, family. Daniel Coit, St. Albans	Oct	5,	**
Pump. See Bellows dry.			
Propelling boats, for inland navigation, improvement in. Wm.			
Bell, Camden, South Carolina	Nov		
Painting rooms, improvement in. John Selby, Baltimore	Dec	30,	
Pumps. See Air and Bellows.	3.5		1004
Paper mills, improvement in. Thomas Longstreth, Philadelphia	May	1,	1804
Pump boxes, improvement in the construction of. J. Stickney,	. nr	4	
Baltimore	· May	1,	ects
Pot and pearl ashes, furnace for making. Edward Crafts, jun. Geneva, New York	May	10	
Pumping. See Water.	may	14,	
Plough, improvement in. John Deaver	July	12	80-919
Plaster mill. Emanuel Kent	Sept	14.	
Physiognotrace. Daniel Atherton, Richmond, Virginia -			1805
Posts of clay for fencing, mode of making. William Cooley,		, -,	
Bolton, Connecticut	May	27,	to: one
Planing by machinery. John Bennock, Boston -	June		
Polychrestum. See Sulphate, &c.			
Picking oakum. See Oakum.			
Planing machine. Joseph Hawkins, Philadelphia	Feb	19,	1806
Planing machine. See Joining.			
Propelling boats up rivers by cranks and setting poles. John		17	
Haven, Montgomery, Virginia	April		48.40
Pantiles. William Harwood, Richmond, Virginia Paint. See Yellow.	July	3,	ens dan
Perpetual oven. James Dencal, Dumíries, Virginia	Dec	4,	-
Paper trimmer. Parke Shee, Philadelphia	Feb		1807
Pendulum screw. Lewis Dupie, Charleston, South Carolina	April	1,	1001
Plough, improvement in. David Peacock, Burlington, N. J.	April	1,	10/0
Propelling boats, &c. by oars. James A. Pearce, Louisville,		/	
Kentucky s	April	1,	
Paper, machine for making. Charles Kinsey, Essex, N. J.	May	8,	
Piano forte, improvement in. Ralph Shaw, Boston -	July		
Pills, machine for making: Webster Lewis	July		
Pastes, mode of making Italian maccaroni, vermicelli, &c. John			
B. Sartori, Philadelphia	July	13,	=+
Planking hats, machine for. Joseph Pitkin and Timothy Kim-		10	
ball, Hartford, Connecticut	Oct		1003
Plough, improvement in: Hezekiah Harris, Bullet, Kentucky	ren	44.	1808

	Pump, improvement in. Daniel Watson, Plymouth, Mass.	March 4,	1808
	Propelling. See Boats. Pump. See Forcing.		
	Propelling boats, machine for. W. Wadsworth, Hartford, Conn.	March 15,	
	Pendulum power for machinery. J. Tallman, Albany, N. Y.		
		April 14,	
	Paper. See Smoothing.	M 10	
	Pearl ash, mode of making. Ruben Answorth Pumps, improvement in. William Rhodes, New York	May 16, May 26,	
	Pressing machine. R. Peirpoint Cunningham, Pomfret, Conn.		
	Press. See Double Lever.	inag way	
	Propelling boats across rivers by the current. Samuel Stilwell,		
	and Daniel S. Wandall, New York	June 3,	
	Pressing and boring machine. Robert Ramsey, New Hampshire		
	Pressing straw or chip hats, machine for. Samuel Prince, N. Y.		
	Pump bellows for furnaces, &c. Isaiah Jennings, New York Pigment black for printing ink, &c. J. Cist, Wilkesbarre, Penn.	Sept 20, Oct 28,	
	Plough, improvement in. Richard B. Chenoweth, Bastimore	Nov 25,	
	Plaster of Paris, mill for breaking. William Brown, Baltimore		
	Pipes or tubes, mode of casting. Williard Badger, Boston	Dec 26,	
	Pneumatic forcing pump. Phiny Upham, Brookfield, Mass.	Jan 6,	1809
	Pumps. Abraham Horn, Easton, Pennsylvania -	Jan 6,	
	Pounding rice, machine for. A. D. Moore, New Hanover, N.C.	. Jan 19,	
	Pot ash. See Lye.	F-L 15	
	Paper, mode of making from alga. S. Green, New London, Conn Paring apples, machine for. Williard Badger, Boston	Feb 16,	
	Pendulum mills. Isaac Cobb, Walpole, New Hampshire		
		March 18,	
	Pounding. See Rice.		
	Pump, mechanical. William Schultz, Baltimore -	June 24	,
	Press. See Washing.	6	
	Pumps Jacob Canfield, Morristown, New Jersey	June 28	
	Pendulum lock. Samuel Goodwin, Baltimore	July 7,	,
	Paper moulds. See Wire Work Pipe or grate heater. See Boiler.		
	Pruning shears. Simon Jocelin, New Haven, Connecticut	July 13	
	Planting plough. Frederick Woodward, New Lisbon, N. Y.	July 18	
	Pump, uniform working. James Josslyn, Hanover, Mass.	July 25	
	Planing boards. Christian Ritter, Beaver, Pennsylvania	Aug 11	
	Press for cheese, &c. Israel Nichols, Otsego, New York	Oct 12	
	Planing machine. Joseph Coppinger, Beaufort, S. C.	Oct 31,	,
	Preserving animal and vegetable substances. Joseph Coppinger		
	Beaufort, South Carolina Pen, metallic writing. Peregrine Williamson, Baltimore	Nov 23 Nov 22	
	Pump, double bored pendulum. A. Fana, Montgomery, Penn.	Dec 5	,
	Pump, balance wheel. Lewis Schrach, Norristown, Penn.	Dec 8	,
	Plating gun barrels, &c. John Fowler, Lancaster, Penn.	Jan 4	
	Plating horn combs. John P. Spies, Baltimore	Jan 8	•
	Protractor, universal. Ennion Williams, Philadelphia	- Jan 19	,
	Printing press. J. P. Sawin and T. B. Wait, Boston	Feb 1	,
	Pendulum scale. Moses L. Morse, Cambridge, Massachusetts		,
	Propelling machine. Abraham G. D. Tuthill, New York	Feb 22 March 26	,
	Pressing machine. R. V. W. and J. Thorne, New York Pump, horizontal. Luther Holland, Belchertown, Mass.	March 28	,
	Perpetual. See Still.	1,141,011 20	,
	Pressing cloths: Joseph Sage, Berlin, Connecticut	April 14	,
	Pricking leather, machine for. Robert U. Richards and Mill	s	• • •
,	Richards, Norfolk, Connecticut	April 24	
	Pumping machine. Royal Yeamans, Springfield, Mass.	May 23	
	Pendulum machine. Joseph Lefever, Providence, R. I.	June 13	
	Printer's ink. Ben. Chase, New London, Connecticut	June 28	

Pump, Chinese chain. Jeremiah Black, Northumberland, Penn.	Aug	2,	1810
Press, windlass lever. T. Williams, Philadelphia -	Aug		
Press, double screw. Elisha Winter, New Orleans	~ .		
Printing paper and calico. Leonard Beatty, Wilkesbarre, Penn.	Dec		
Pump. See Steam.	200	۸٠,	
Printing press. John P. Sawin and T. B. Wait, Roxbury, Mass.	Ian	92	1811
Pressing cloths with plates. Volkert Vedden, Amsterdam, N. Y.	_		
	Feb		
Pump, double forcing. William Beach, Franklin county, N. Y.	Feb		
Propelling boats by horses, &c. S. Fuller, Clerk county, Ind.	Feb		
Pump, double forcing. T. Ferris, Duchess county, New York	Feb		
Plat, straw. William Pond, Wrentham, Massachusetts -	Feb	28,	
Paddles. See Chain.			
Pump, double forcing. Levi Gray, Otsego, New York - 1	March	7,	
Pump. Pliny Upham, Brookfield. Massachusetts I	March	9.	
Pendulum steam engine. John Staples, Richmond, Virginia	July		
Pegs for shoes. Samuel Hitchcock and John Bement -	July		
Dump see motion Report Lies New Verls			
Pump, sea motion. Bennet Lies, New York	Aug		
Plough, varying the motion of. John Sandford, Sharon, Conn.	Aug	20,	
Pump for the use of ships. Andrew Kenshaw and Nathan Har-			
low, jun. Bangor, Massachusetts	Aug	30,	
Plough. Nicholas Turbet, Fredericktown, Maryland -	Sept	7,	
Pump. Luther Holland, Belchuston, Massachusetts	Sept		
Pleasant spinners. Daniel Reed, Brookfield, New York	Sept		
Press for pressing cotton, hay, &c. Moses Jaques and Henry			
Freeman, Woodbridge, New Jersey	Oct	9	
	Oct	Ω,	
Pendulum mill. Solomon Thayer, Braintree, Massachusetts	Oct	θ,	
Press, wooden screw for cotton. Jacob Pierson, Knoxville,		4 100	
Tennessee	Oct		
Posts, machine for boring. Anthony Butler, Vermont -	Nov		
Portable kitchen. James Trueman, Philadelphia -	Dec		
Pump. Jonathan Evans, Whitestown, New York	Jan	6,	1812
Plough. John Klay, Frederick county, Maryland -	Jan		
Plough. Roswell Tousley, Cayuga New York	Jan.		
Press, increasing. Abraham Norton, Litchfield, Connecticut	Feb		
	April		
	upin	٠,	410-1
Plaster of Paris, breaking. Paul Geiger, Robison, Berks coun-	N/T	10	
ty, Pennsylvania	May		-
Propelling boats. William Shaw, Otsego, New York	June	5,	
Pressing and straining oil, &c. John Cunningham and Samuel			
S. Edmonston, New York	June :	29,	-
Plumets of lead. Thomas Weston, Peacham, Vermont	June !	26,	-
Pump, cog and pendulum. Benet Lies, New York -	Aug	6.	
Propelling boats and vessels, &c. Alexander Anderson, Phil.	Aug ?		
Propelling boats by sculling. Isaac Siluman, Philadelphia	Dec		
Pendulum mill. William Grandin, Hector, New York -	Jan		
			1019
Pitch forks. Jared Byinton, Hinesborough, Virginia	Jan		
Preparing colors and paints. Henry Alexander, Baltimore	Jan :	_ ′	
Plough. John Sietz, Strasburg, Pennsylvania	Feb	8,	
Printing press and mode of distributing the ink. William Elliot,			
Washington, District of Columbia	Feb 1	17,	 ,
Printing press. Z. Mills, Hartford, Connecticut -	Feb S	26.	
Planing machine. W. Badger, Madison county, Mississippi		,	
	Iarch	9	
		~ '	,
	larch		7-
	larch 2		
	April 2		
	April 3	30,	
Plane irons, manufacturing. Daniel Pettibone, Philadelphia	May	6,	
Plough, bull. Sylvanus Tousley, Onandago, New York -	May 2	28,	BP POP / a
Plough. Mathew Patrick, Scipio, New York	June	~ '	pm 0+
	June 2	'	mys.

Printing press. Jacob Perkins, Newburyport, Massachusetts	June 29,	1813
Printing press. Daniel Pierson, Newburyport, Massachusetts	July 16,	
Pumps. Thomas Nicholson and Samuel Gunn, Genoa, N.Y.	Aug 6,	
Plough. Mathew Murray, Middletown, Maryland -	Aug 7,	
Plough. Horace Pease, Enfield, Connecticut	Aug 28,	
Press. Samuel S. Edmonston, New York	Sept 1,	
Paper hanging. Hezekiah Steel, Hudson, New York	Sept 8,	acer*
Pump for elevating grain. J. Ewing and D. Dickey, Oxford	Oct O	
Pennsylvania	Oct 2,	
Planing machine. William Kimball and Samuel Willard, jun- Mount Vernon, New Hampshire	Oct 23,	
Propelling boats by levers, &c. John T. Schenck, New York	Oct 23,	
Paint, iron made into. B. Wilbor, Whitestown, New York	Feb 10,	1814
Proof for ardent spirits. Benjamin Miller, New Salem, N. Y.	Feb 21,	
Potatoes, machine for grinding. Jesse King, Florida, N. Y.	March 1,	
Plough, bar share John and Joshua Butler, Chester county,		
Pennsylvania	March 1,	1
Paper, pelts used in making. John M. Thorndike -	March 7,	
Pegs, attaching leather with. S. B. Brown, West Chester, N. Y.	April 2,	
Pipes, making lead. Alpheus Tod, Oxford, New Hampshire		
Paints, grinding. Peter Bristead, Green county, New York	April 18,	
Ploughs. J. Wood, Scipio, New York	July 1,	
Ploughs, Jonathan Swan, Scipio, New York	July 5,	
Pounding rice, &c. Asa Nourse, St. Lukes, South Carolina	July 5,	
Pins, machine for making. Moses L. Morse, Boston -	Aug 22,	
Plough. J. Morgan and J. B. Harris, Scipio, New York	Oct 11,	
Pins and needles, making. William F. Hill, New York -	Oct 15,	
Preserving animal and vegetable substances, &c. D. Cooley,		
New York	Oct 24,	
Plough, bull. Roswell Tousley and J. Swan, New York	Nov 9,	
Plough. Henry Shultz, Lancaster, Pennsylvania	Dec 17,	
Packing, machine for. Joseph Lyon, Philadelphia	Jan 15,	1815
Paint, mode of making brown. T. Miller, jun. Madison county		
New York	Jan 25,	
Press, cider mill. Ozias Pettibone, Hartford, Connecticut Perspective protractor. Bass Otis, Philadelphia -	March 1, March 14,	
Pump, double air and water. James Smallman, Philadelphia	March 27,	
Pin lathe for buttons. William Lawrence, Menden, Conn.	April 12,	
Pressing machine. Timothy Puffer, Paris, New York -	May 23,	
Pedometer, sea. Bennet Lies, New York -	June 20,	
Paper, machine for printing and staining. B. Mesteyer, N. Y.	June 28,	
Pump, double air. James Smallman, Philadelphia -	Aug 29,	
Pendulum machine. C. L. Allen, Newark, New Jersey	Oct 13,	
Printing books. Samuel Randall, Warren, Rhode Island	Jan 4,	
Pneumatic machine. David Lloyd, Cambria, Pennsylvania	Jan 7,	
Plough, corn dressing. Elisha Bean, Massachusetts -	March 4,	
Plaiting ruffles. S. W. Talbot, Dedham, Norfolk	May 5,	
Paper, heating the pulp for. J. Robison, Montgomery, Penn.	May 22,	mes
Propelling vessels in a calm. Stephen Rudd, New York	June 14,	
Pump. Edward B Scammon, Scipio, New York	June 20,	
Piano forte. George Charters, New York	July 8,	
Press, steam. E. Barker and John and Aaron Hall, Boston	July 12,	
Pontoons, construction of. Henry Carbery and Wm. Tathan,		
Washington	July 19,	-
Pulverator. Nathan Jones, Boston	July 23,	
Plough, machine for drawing. Luke Johnson, Leominster, Massachusetts		17
Piston. Peter A. Brown, Philadelphia	Aug 6,	46300)
Plough, double. John Cromwell, Roysterstown, Maryland	Oct 9,	
Posts for chairs. Elijah Farrington, New York -	Oct 23, Oct 26,	
Paper, making. Thomas Cilpin, Philadelphia	Dec 24,	42.7
T A zerosano. z remena z referent z referentatione	200 479	-

Pipes, conduit. Elisha Putnam, Albany, New York			
rines, community rusha rusham, Amany, New York	Dec 3	3 4	1816
Pump, eliptic valve. James Baker, Charleston, Massachusetts	Ion 1	6	1917
Paints and colors, impressing. Lewis J. B. Wells, Philadelphia			
Pump. Daniel W. Christman, New York	Jan 2	4,	
	Feb		40
Propeller, sub-marine. John L. Sullivan, Boston	March 2	_ "	majord'
Pumps. John M. Dearborn, Boston	May		on ea
Pumps. Thomas Nicholson, Washington City	April 2	29,	-
Pump, single valve. Isaac Scott, Boston	May		
Pump. William P. Tilton, Boston -	May		
Pump. James Baker, Boston	May		
Pump, horizontal circular valve. Eben. Lemon, Boston	May 2		en or
Plough. David Peacock, New Mills Post Office, New Jersey			
Disurb angular Tahn Luntan Vincinia	May 2		40.00
Plough, angular John Lupton, Virginia	July 3		
Pump. John C. Helm	Aug		
Propelling vessels. Joseph Cerneau, New York	^ Aug 2		-
Pumps. Luke M. and Mark Laighton, Portsmouth, N. H.	Sept	1,	
Propelling vessels by animal power. J. P. Durand, New York	Oct		galants .
Pumps. Spencer Thomas, Boston	Oct 1		
Pumps. William Purcell, New York	Nov		\
Propelling boats by animal power. Anthony Olney, Canton,	1101	.,	
Massachusetts	Dec 1	11	4 4
	Dec 1	LI,	
Perpetual ovens, improvement on Deneal's. W. T. Hunter,		_	1016
New York	Jan	8,	1819
Plugs and bungs, machine for cutting. A. Donaldson, Salem,			
Massachusetts	Jan 1		-
Pen, instrument for holding. Henry Smith, Georgetown, D. C.	Jan 1	.5,	40
Propelling boats, mode of. J. P. Durand, New York -	Jan 1	7.	~ ·
Polishing powder. Holmes Greenwood, Providence, R. I.	Jan 2		-
Pump, improvement in. Daniel Updike, New York -	Feb 1		
	March	6	
	March		-
Pumps. F. Harrison, Easton, Pennsylvania	March 1		-
Propelling boats. Moses Isaacs, Philadelphia			
	March 1		Amount .
Propelling boats. M. Ulman and Moses Isaacs, Philadelphia	March I March 1		
Propelling boats. M. Ulman and Moses Isaacs, Philadelphia Paper, machine for preparing rags for. B. Cox, Northampton,			
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts	March 1	7,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts	March 1 March 2	28,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore	March 1 March 2 April 1	17, 28, 10,	eral .
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston	March 1 March 2 April 1 April 2	28, 10, 28,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York	March 1 March 2 April 1 April 2 May	17, 28, 10, 28, 5,	## ## ## ## ## ## ## ## ## ## ## ## ##
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York	March 1 March 2 April 1 April 2 May May 2	17, 28, 10, 28, 5, 25,	et et
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio	March 1 March 2 April 1 April 2 May May 2 May 2	17, 28, 10, 28, 5, 25,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2	17, 18, 10, 18, 15, 15, 16,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn.	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2	17, 18, 10, 18, 15, 15, 16, 18,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 May 2	17, 18, 10, 18, 15, 15, 16, 18,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2	17, 18, 10, 18, 15, 15, 16, 18,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York	March 1 March 2 April 1 April 2 May May 2	7, 8,0,8,5,5,6,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York	March 1 March 2 April 1 April 2 May May 2 June	28, 0, 28, 25, 25, 26, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 May 2 June June	17, 28, 0, 18, 15, 15, 16, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 May 2 June June June 1	17, 28, 10, 28, 5, 5, 5, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 May 2 June June 1 July 1	17, 28, 10, 28, 5, 5, 5, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 May 2 June June June 1	17, 28, 10, 28, 5, 5, 5, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany,	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June 1 July 1 Aug 2	17, 28, 10, 28, 5, 5, 5, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June 1 July 1 Aug 2 Sept	17, 28,0,85,55,566,88,66,9,21,77,55,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June 1 July 1 Aug 2	17, 28,0,85,55,566,88,66,9,21,77,55,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough shares, improvement in rolling out. Joseph Potts, Mont-	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June 1 July 1 Aug 2 Sept Oct 2	17, 28,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough shares, improvement in rolling out. Joseph Potts, Montgomery county, Pennsylvania	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June 1 July 1 Aug 2 Sept Oct 2	7, 28,0,8,5,5,5,6,88,86,9,2,1,7,5,6,7,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough shares, improvement in rolling out. Joseph Potts, Montgomery county, Pennsylvania Propelling boats, improvement in. Abraham Taylor, N. Y.	March 1 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June June 1 July 1 Aug 2 Sept Oct 2 Nov Nov 16	7, 28,0,8,5,5,5,6,8,8,8,6,9,2,1,7, 5,6, 7,8,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough shares, improvement in rolling out. Joseph Potts, Montgomery county, Pennsylvania Propelling boats, improvement in. Abraham Taylor, N. Y. Propelling boats, improvement in. J. Gray, Peekskill, N. Y.	March 1 March 2 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June 1 July 1 Aug 2 Sept Oct 2	7, 28,0,8,5,5,5,6,8,8,8,6,9,2,1,7, 5,6, 7,8,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough shares, improvement in rolling out. Joseph Potts, Montgomery county, Pennsylvania Propelling boats, improvement in. Abraham Taylor, N. Y. Propelling boats, improvement in. J. Gray, Peekskill, N. Y.	March 1 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June June 1 July 1 Aug 2 Sept Oct 2 Nov Nov 16	7, 28,0,8,5,5,5,6,8,8,8,6,9,2,1,7, 5,6, 7,8,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbana, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough shares, improvement in rolling out. Joseph Potts, Montgomery county, Pennsylvania Propelling boats, improvement in. Abraham Taylor, N. Y.	March 1 April 1 April 2 May May 2 May 2 May 2 May 2 May 2 June June June 1 July 1 Aug 2 Sept Oct 2 Nov Nov 16	7, 28,0,85,5,56,88,86,9,2,1,7, 5,6, 7,8,8,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Råmage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough shares, improvement in rolling out. Joseph Potts, Montgomery county, Pennsylvania Propelling boats, improvement in. Abraham Taylor, N. Y. Propelling boats, improvement in. J. Gray, Peekskill, N. Y. Propelling boats, improvement in. A. Bartholomew, Albany, New York	March 1 March 2 April 1 April 2 May 2 May 2 May 2 May 2 May 2 June June 1 July 1 Aug 2 Sept Oct 2 Nov Nov 15	7, 28,0,85,5,56,88,86,9,2,1,7, 5,6, 7,8,8,	
Paper, machine for preparing rags for. B. Cox, Northampton, Massachusetts Propelling boats. John James Giraud, Baltimore Propellers for ships. John L. Sullivan, Boston Propelling boats, machine for. R. L. Deprest, New York Pluribus unum. H. Clerc and P. Ricardi, New York Pump or suction machine. John Edwards, Urbána, Ohio Plough. Gideon Davis Plaster, machine for breaking. A. Fettrow, York, Penn. Painting fret, &c. John Mackay, New York Printing press. Adam Ramage, Philadelphia Propelling boats. Thomas Kearsing, New York Plough. Samuel Ogle, Graceham, Frederick county, Maryland Pump. William Hendrick, New York Pumps, wing valves for. William Francis, Boston Piano fortes, improvement in. J. A. Gittwaldt, New York Propelling boats, improvement in. Henry Farmham, Albany, New York Plough, improvement in. Perry Miller, Cambridge, New York Plough shares, improvement in rolling out. Joseph Potts, Montgomery county, Pennsylvania Propelling boats, improvement in. Abraham Taylor, N. Y. Propelling boats, improvement in. J. Gray, Peekskill, N. Y. Propelling boats, improvement in. A. Bartholomew, Albany,	March 1 March 2 April 1 April 2 May 2 May 2 May 2 May 2 May 2 June June 1 July 1 Aug 2 Sept Oct 2 Nov Nov 15	7, 28,0,28,5,5,5,5,6,8,8,6,9,2,1,7,5,6,7,8,8,1,	

				-	9
	Plough, improvement in the. Richard Nichols, Harrison, N. Y.	Dec 1	9,	1818	
	Paint, machine for grinding. E. Skinner, Sandwich, N. H.	Dec 2	8,		
	Plough, improvement in the. G. D. Avery, Wood county, Va.	Dec 2			
	Propelling boats by the screw power. H. W. Wheatley, N. Y. Plough, improvement in the. Stephen M'Cormick, Faquier	Dec 3	υ,		
	Court House, Virginia	Feb	3	1810	
	Propelling boats, &c. Wm. J. Lewis, Virginia -	Feb.	3.	1013	
	Printing press. John J. Wells, Hartford, Connecticut	Feb			
	Pump. James Barron, Norfolk, Virginia	Feb 2	0,		
	Press, progressive lever. Jacob Perkins, Philadelphia -	Feb 2	7,	~-	
	Printing press, improvement in the. B. Allison and William				
	Elliot, Washington, District of Columbia -	March 1	I,		
	Plough, improvement in the. Zadock Harris, Hartford, Washtington county, New York	March 1	7		
	Propelling boats. James Lyon, Statesburgh, South Carolina	April			
	Propelling boats, &c. improvement in. D. Cooke, N. J.	April 1			
	Pencils, composition for making. Joseph Ellis, Dedham, Mass.	April 2			
	Pump, improvement in. J. L. Munson, N. H. Connecticut	April 2			
	Pressing straw bonnets, machine for. Preston Whiting, Hop-				
	kington, Middlesex county, Massachusetts	June 1	ı,	40	
	Plough, improvement in the. Abraham and J. Tice, Union				
	Village, New York Plough, improvement in the. J. Wood, Poplar Ridge, Cayuga	Aug 2	L,	44,14	
	county New York	Sept	1		
	Pronunciation, mode of teaching. Jacob A. Cummings, Boston				
	Plough. C. Bergen, New York	Nov 1	1,	40-40	
	Pump. Robert Gray, Milton, Pennsylvania	Nov 1	1,	-	
	Plough. J. Swartwout, Taghkanie, Col. county, New York	Nov 1	3,	a~'	
	Paper, machine for making. John B. Pignatelli, New York	Dec	2,	***	
	Posts, see a machine for boring. J. Corbett, West Hanover,	D 0			
	Pump, double forcing. W. Baker, Springfield, Otsego county,	Dec 2	ι,		
	New York	Dec 3		. 35	
	Plough, improvement in the. Philip Marshall and Jacob B.	2000.	٠,		
		March :	3,	1820	
	Pump, wind power. Heman Bronson, Litchfield, Connectcut	March 8	3,	-	
		March 8			
-	Privies, improvement in. Marc Marie Duplat, Charleston, S.C.	March 1	ö,		
-	Propelling boats, machine for. W. R. Loweree, Queens county,	Manah 90			
1	New York	March 29	,	ene 10	
	Connecticut	April 6)_	e a	
]	Planetarium, or heliogeastrium. Theodore Newall, Poultney,		,		
	Vermont	April 12),	m (c	٠.
	Propelling boats. John J. Giraud, Baltimore	April 19	,		
3	Pump, suction. Levi Gray, Springfield, New York	May 9	,		20
]	Propelling boats by setting poles. Robert Kenny, Augusta	A.		A STATE OF THE PARTY OF THE PAR	0
1	county, Virginia Pressing cotton, machine for. John Graham, China Grove, S. C.	June 7 June 17			
-	Ploughs. John W. Jenkins, Hudson, New York	July 6	200	The state of	
	Propelling boats. Jacob Coon and Benjamin Hyde, Hartford,	oury c			
-	New York	July 11			
3	Power, gaining by cog wheels, &c. Chas. Redheffer, Phil.	July 11		er of	
	Plough. John S. Wright, Greenwich, New York -	July 28			
1	Plough. R. and E. A. Stevens, Hoboken New Jersey	Sept 20	, .		
]	Power loom, improvement in the. Wm. Gilmour, Smithfield,	0.4.00			
,	Rhode Island	Oct 28	•		
1	Pans, burning and baking. William Burtis, New York Plough, improvement in the. Charles Wood and Gilbert Brun-	Nov 7	,	m4:	
1	dage, Blooming Grove, New York	Nov 9			
3	Propelling vessels, machine for. John James Giraud, Baltimore	Nov 22	-	ne.	
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	and the second s				

Pegs, making wooden. Thomas Rowell, Hartford, Vermont		24,	1820
Plough, improvement in the cast iron. John Stevens and John	_	1.4	
Fay, Rockingham, Vermont Propelling vessels, machine for. John James Giraud, Baltimore	Dec Jan		1821
Ploughing, a shifting share for. John Wood, Castleton, N. Y.			10/47
Printing, mode of bronzing. George John Newberry, N. Y.	Feb		
Propelling vessels by wheels, in calms. B. S. Doxey, U. S. Navy			
Press, lever. That oner Blake Turner, Maine	Feb	21,	m-4
Planting Indian corn, machine for. A. C. Flushing, Queen's county, New York	March	90	111
	March		
Printing press, improvement in the. A. O. Stansbury, N. Y.	April		
Ploughs, improvement in cast iron. Robert L. and E. A. Ste-		Í	
vens, Hoboken, New York	April	23,	
Ploughs, hardening part of the edge of the share of. Robert L.	A	00	
and E. A. Stevens, Hoboken, New York Printing press, improvement in the. Samuel Rust, New York	April May		
Planes, improvement in carpenter's. R. Wellford and Joseph	May	11,	
H. Deas, Philadelphia	May	14,	44
Pulverising wood, &c. Alexander Tolson, Ceorgetown, D. C.	June		
Plough, improvement in the cast iron. George G. Ring, Red-		~~	
hook, N. York	June		
Printing and staining silks. Thomas and William Bryan, N. Y. Plough, improvement in the cast iron. O. Seely, Pottstown,	June	29,	M 65°
Pennsylvania	Aug.	27.	40
Plough, improvement in the east iron. Wm. Falconer, N.Y.	0.	,	
Plough, improvement in the. Oliver Phelps and G. Moore-			
house, Lansingburgh, New York	Nov		
Plough, improvement in the cast iron. David Hitchcock, N. Y. Pick-axe, improvement in the. Luke Baker, Putney, Windham	Dec	29,	. ##
county, Vermont	Jan	15.	1822
Plough, improvement in the. David Peacock, Northampton,		,	
New York	Jan	21,	
Plough, improvement in the. Wm. G. Shuart, Orange county,	. n.	-	
New York Pantaloons and waistcoats, making. Charles Herwick, N. Y.	Feb Feb		S-
Plough, cast iron. Josiah Dutcher, Durham, New York	Feb		
Plough, cast iron. George W. Hawkins and Horace Emery,		,	
Windsor, Vermont	Feb		
Pressing machine. Philip Freeman, Perth Amboy, N. J.	Feb		
	March	2,	
Plough for hoeing, &c. Col. George Gill and George Gill (B. S.) Chester District, South Carolina I	March	25.	pr 14
Punching holes, machine for. John Sarchet, Philadelphia	April		
Printing press, improvement in the. Peter Smith, New York	April		
Pails, machine for making. Reuben Hyde, Winchester, Mass.	April	19,	**
Ploughs, improvement in John Gibson, Montgomery county,	Morr	0	
New York Paper, machine for making. John Ames, Springfield, Mass.	May May 1		-
Percussion gun, improvement in the. Joshua Shaw, Philadel.	June		
Plough share, improvement in the. Baily Carpenter, Somers-		,	
town, New Jersey	July	•	***
Pipes, leaden, for aqueducts. Richard Ward, Waterbury, Conn.	July		
Plough, improvement in the. Abijah Lec, West Chester, N. Y. Pessaries, improvement in. Duke Baker, New York	July S		
Plough, improvement in the. Joseph Woolly, Troy, New York	Sept Sept		
Pianos, detached sounding board for. James Stewart, Boston	Nov 1		
Plough, improvement in the. Peter J. Clute, Schenectady, N. Y.	Nov 1		* TF
Planking vessels, improvement in. J. Thomas, Washington, D. C.	Dec	2,	ca ==
Plough, improvement in the. Jacob Schoomaker and Jacob		,	
Dolson, the former of Ulster and the latter of Dutchess	Dec	7	wre
Wilder Fa ATUM E 1/10	2000		

Blough for covering corn, &c. improvement in the. T. Wil-			
liams, Pittsylvania, Virginia	Dec	19,	1822
Plough, improvement in the. Ryland Rodes, Albemarle county,		_	
Virginia		- '	1823
Printing, improvement in the art of. William M. Dodge, N.Y.			
Pipe, mode of making stove. Caleb Jones, Vermont -	April		
Percussion guns and pistols. Joseph Finch, New York	April	12,	
Piston and valve cock. John Lacy, Philadelphia -	May	6,	
Pump, improvement in the forcing. J. Paddleford, N. Y.	May		
Plough, improvement in the. J. Weaver, Washington, D. C.	May		
Pipe, manufacturing plated lead. Thomas Ewbank, N. Y.	May		-
Press, printing. Adam Ramage, Philadelphia	May		
Plough, improvement in the. George Nixon, New York	June		
Plough, improvement in the. David Hitchcock, New York	July		gg vill
Pin machine, improvement in the. Henry Western, Phil.	July	23,	
Ploughs, cutters, points, &c. for. David K. Jones, Palmyra,			
New York	Jul y	29,	-
Plough, improvement on Bergen's self-sharpening. Waldren			
Beach, Philadelphia	Aug		
Plough, Hackney's. Obediah Hackney, Ohio	Aug		
Pump, "forcing and suction." Joshua Clark, Vermont - Plough, improvement in the. John Nash, Talmage, Portage	Sept	11,	•-
county, Ohio	Oct	,	
Pneumo-hydraulic engine. Richard Willcox, New York -	Nov		
Protractor, rectangular. Nathaniel Goodwin, Hartford, Conn.	Dec		
Pulverizing engine for drugs, &c. Isaac Eddy, Boston, Mass.	Dec	31,	
Plough, improvement in the cast iron. William C. Pancost,			
Addison, Vermont		29,	1824
Plough, improvement on Jethro Wood's. Solomon Austin,			
Sempronius, New York	Feb	27,	
		,	
Power produced without the aid of steam. Samuel Brown,			
Power produced without the aid of steam. Samuel Brown, London, England	March	2,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston	March March	2, 19,	
Power produced without the aid of steam. Samuel Brown, London, England	March	2, 19,	
Power produced without the aid of steam. Samuel Brown, London, England	March March April	2, 19, 2,	
Power produced without the aid of steam. Samuel Brown, London, England	March March	2, 19, 2,	
Power produced without the aid of steam. Samuel Brown, London, England	March March April April	2, 19, 2, 9,	eneg ener
Power produced without the aid of steam. Samuel Brown, London, England	March March April April	2, 19, 2, 9,	entrol
Power produced without the aid of steam. Samuel Brown, London, England	March March April April	2, 19, 2, 9,	entrol
Power produced without the aid of steam. Samuel Brown, London, England	March March April April April April	2, 19, 2, 9, 16, 21,	energi energi energi energi
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York	March March April April	2, 19, 2, 9, 16, 21,	energi energi energi energi
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown,	March March April April April April	2, 19, 2, 9, 16, 21,	energi energi energi energi
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio	March March April April April April	2, 19, 2, 9, 16, 21,	energi energi energi energi
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon,	March March April April April April April	2, 19, 2, 9, 16, 21, 24,	en eg en en en en en en en en
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey	March March April April April April	2, 19, 2, 9, 16, 21, 24,	en eg en en en en en en en en
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Da-	March March April April April April May	2, 19, 2, 9, 16, 21, 24, 5,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia	March March April April April April April	2, 19, 2, 9, 16, 21, 24, 5,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson	March March April April April April May May	2, 19, 2, 9, 16, 21, 24, 5, 11,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana	March March April April April April May May May June	2, 19, 2, 9, 16, 21, 5, 11, 19, 5,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos.	March March April April April April May May	2, 19, 2, 9, 16, 21, 5, 11, 19, 5,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg,	March March April April April April May May May June July	2, 19, 2, 9, 16, 21, 24, 5, 11, 19,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York	March March April April April April May May May June July	2, 19, 2, 9, 16, 21, 5, 11, 19, 5, 29, 4,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York Propelling boats, &c. Benjamin F. Joslin, Schenectady, N. Y.	March March April April April April May May May June July Aug	2, 19, 2, 9, 16, 21, 5, 29, 4, 21,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York Propelling boats, &c. Benjamin F. Joslin, Schenectady, N. Y. Paper, manufacturing. Isaac Burbank, Worcester, Mass.	March March April April April April May May May June July	2, 19, 2, 9, 16, 21, 5, 29, 4, 21,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York Propelling boats, &c. Benjamin F. Joslin, Schenectady, N. Y. Paper, manufacturing. Isaac Burbank, Worcester, Mass. Plough, improvement in the cast iron. Nathaniel Gillet, jun.	March March April April April April May May May June July Aug Aug Sept	2, 19, 2, 9, 16, 21, 5, 19, 4, 21, 8,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York Propelling boats, &c. Benjamin F. Joslin, Schenectady, N. Y. Paper, manufacturing. Isaac Burbank, Worcester, Mass. Plough, improvement in the cast iron. Nathaniel Gillet, jun. Talmage, Ohio	March March April April April April May May May June July Aug	2, 19, 2, 9, 16, 21, 5, 19, 4, 21, 8,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York Propelling boats, &c. Benjamin F. Joslin, Schenectady, N. Y. Paper, manufacturing. Isaac Burbank, Worcester, Mass. Plough, improvement in the cast iron. Nathaniel Gillet, jun. Talmage, Ohio Plough, improvement in the. A. Spicer, jun. and Jonas Tower,	March March April April April April May May May June July Aug Aug Sept Sept	2, 19, 2, 9, 16, 21, 5, 11, 19, 5, 29, 4, 21, 8, 24,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York Propelling boats, &c. Benjamin F. Joslin, Schenectady, N. Y. Paper, manufacturing. Isaac Burbank, Worcester, Mass. Plough, improvement in the cast iron. Nathaniel Gillet, jun. Talmage, Ohio Plough, improvement in the. A. Spicer, jun. and Jonas Tower, Portage county, Ohio	March March April April April April May May May June July Aug Aug Sept	2, 19, 2, 9, 16, 21, 5, 11, 19, 5, 29, 4, 21, 8, 24,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York Propelling boats, &c. Benjamin F. Joslin, Schenectady, N. Y. Paper, manufacturing. Isaac Burbank, Worcester, Mass. Plough, improvement in the cast iron. Nathaniel Gillet, jun. Talmage, Ohio Plough, improvement in the. A. Spicer, jun. and Jonas Tower, Portage county, Ohio Poppy seed, mode of obtaining oil from. Daniel Markham,	March March April April April April May May May May Sept Sept Sept	2, 19, 2, 9, 16, 21, 5, 11, 19, 5, 29, 4, 21, 8, 24, 25,	
Power produced without the aid of steam. Samuel Brown, London, England Pulverizing machine. Isaac Eddy, Boston Pressing tobacco. Jehu Gallaway, Baltimore Plough, improvement on the self-sharpening. Waldren Beach, Philadelphia Plough, improvement in the cast iron. Thomas Allison, Newton township, Sussex county, New Jersey Pumps, improvement in the suction. Daniel Johnson, Boston Plough, improvement in the cutter of the cast iron. Jonathan Swan, Cayuga county, New York Pressing cotton, machine for. Franklin Shaler, Georgetown, Ohio Plough, improvement in the cast iron. Ross Winans, Vernon, New Jersey Planking vessels, improvement in. William Scarbrough, Darien, Georgia Propelling, machinery for. William C. Sullivan, Jefferson county, Indiana Piano forte, being in a longitudinal bar for. John Dwight, Bos. Plough, improvement in the cast iron. D. Chase, A. Gregg, and J. Gregg, Palmyra, New York Propelling boats, &c. Benjamin F. Joslin, Schenectady, N. Y. Paper, manufacturing. Isaac Burbank, Worcester, Mass. Plough, improvement in the cast iron. Nathaniel Gillet, jun. Talmage, Ohio Plough, improvement in the. A. Spicer, jun. and Jonas Tower, Portage county, Ohio	March March April April April April May May May June July Aug Aug Sept Sept	2, 19, 2, 9, 16, 21, 24, 5, 29, 4, 21, 8, 24, 25, 2,	

Plough, improvement in the bar, the wing, &c. Garland		-	
Elington, Madison county, Alabama			1824
Pump, forcing. Samuel Currey, Williamson county, Tenn. Pan and furnace for evaporating liquids, &c. Augustus Colb,	Jan	3,	1825
Steubenville, Ohio	Jan	14	-
Preserving animal substances, E. Daggett and T. Kensett,	Jan	14,	
New York	Jan	19.	
Pharmaceutic composition. John C. Bay, Mount Pleasant, Ohio	Jan		
Plough, improvement in the side hill. John Rich, jun. Troy,			
New York	Feb	10,	****
Pegs, pointing, splitting, waxing wooden. T. Rowell, Hart-		٠.	
ford, Vermont	Feb		
Plaugh, improvement in the. Phineas Pettis, Portage, Ohio	Feb	15,	
Plough, improvement in the. George D. Avery, Georgetown, District of Columbia	Feb	15	**
	March		
	March		
Plough, improvement in. George D. Avery, Georgetown, D.C.			
Paper, polishing. George Bird, Walpole, Massachusetts	April		-
Pendulum power regulated by a fly wheel. Wm. M. M'Intosh		- /	
and Wm. Barnheart, Aurelius, Washington county, Ohio	April	13,	
Plough, self-sharpening. Cadwallader Evans and Oliver Evans,			٠.
Philadelphia	April		. ***
Pump. Jonathan Babcock, jun. Edmiston, New York	May		
Pumps, beer and cider. Richard Sealy, New York Plough. Stephen W. Whitman, Harpersfield, Ohio	May May		
Paper, books; &c. cutting. Joseph Woodhouse, Oswego, N. Y.	May		~~
Press, water power, for cotton, &c. Josiah Durden, Washing-	1 izuJ	υ,	
ton, Alabama	June	23,	mjus
Plough. William F. Richardson, Auburn, New York	June		
Pans or keelers. Amos Minor, Camillus, New York -	July	20,	-
Preponderating scale. Ezekiel Skinner, Camillus, New York	Aug	23,	
Plaster, called the three-fold cement. Ezra Godfrey, N. Y.	Sept		
Propelling carriages by steam. Edward Clarke, New York	Sept		/
Plane irons. Peregrine Williamson, Baltimore, Maryland	Sept		
Pans, in the manufacture. Sanford S. Perry, Troy, New York Power wheel engine. John A. Wadsworth, Portsmouth, R. I.	Sept Sept		
Plough: Gideon Davis, Georgetown, District of Columbia	Oct		-
Pendulum lever. Cyrus Berry, Poughkeepsie, New York	Nov	_	
Pressing oil. Isaac Clowes, Hampton, Virginia -	Nov		
Printing press. Daniel Neall, Philadelphia	Nov	15,	-
Press, for cotton. David Wilkinson, New Providence, R. I.	Dec	,	See prot
Press for cheese, pumace, &c. Lebbeus Caswell, Harrison, Maine			
Press for apples, &c. Bela Churchill, Buckfield, Maine	Dec		
Propelling corrigges Thomas Planchard Springfold Mess	Dec Dec	11,	
Propelling carriages. Thomas Blanchard, Springfield, Mass. Plough. Stephen M'Cormick, Faquier county, Virginia -	Jan		1826
Pumps. Silvanus Russell, Olean, Cataragus county, New York			
Pressing machine. Nathan Whitney, Augusta, Maine -	Feb		
Pressing machine. Joseph Wilson, Otsego, New York	Feb		
Picker tub. Benjamin Holbrook, Providence, Rhode Island	Feb	21,	
Printing press, power. Daniel Treadwell, Boston, Mass.	March	2,	
Pumping vessels, power wheel for. S. Town and R. W. Oli-		_	
phant, North Granville, New York	April	8,	
Paper, vibrating cylindrical mould for making. Gardner Bur-	A ====1	10	
bank, Worcester, Massachusetts	April	12,	
Plough, hill side, double nosed cast iron. John Shepherd, De Renyter, Madison county, New York	April	19	
Pump. Theodore Brooks, Rutland, New York.	April	'	
	April		
Plough William Cook Luzern Favette county Penn.	April	'	

Pumping water for propelling machinery. Liseomb Knap,			
	May	ดอ	1496
Brighton, New York			
Pumping water for domestic purposes. do.	May		
Press for cider, oil, &c. William H. Hoeg, Salem, Ohio	May	20,	000 ays
Press for hats. R. Tyler and B. P. Coston, Philadelphia	May	23,	-
Press for packing cotton. Charles Williams, Petersburg, Va.	June		
Percussion lock, for the rifle, &c. Joseph Medbery and Sil.		-,	
	T.v.	1.0	
Kellogg, Rochester, New York	June	10,	
Pressing unburnt brick, machine for. Ephraim Mayo, Hallo-			
well, Maine	June	24,	
Planting and working Indian corn. William Ross, Middle Bax-			
ter, Pennsylvania	June	24	-
Dlum machine for outting Charles Toggelyn New Vents	June		
Plugs, machine for cutting. Charles Josselyn, New York	June	20,	
Plough, improvement in the. Zeb S. Holdridge and Hy S.			
Lawson, Berne. New York	Aug	9,	-
Printing press, improvement in the. David Phelps, Boston,			
Massachusetts	Sept	15.	
Printing press, improvement in the. Samuel Fairlamb, N. Y.	Nov	Α,	
Daniel of the state of the stat	1101	7,	
Press for packing cotton. J. Boatwright and James Nathans,		~-	
Richland, South Carolina	Nov	21,	
Pipes, mode of making clay. John Bower, East Bethlehem,			
Pennsylvania	\mathbf{Dec}	1.	
Press, for pressing cheese, cider, &c. Lebbeus Caswell, Har-	200	~,	
	n	10	
rison, Maine	\mathbf{Dec}	18,	、
Planing boards, machine for. Herman Allen, Randolph county,			
North Carolina	\mathbf{Dec}	22,	
Planting cotton seed, corn, &c. machine for. John Labdell,		,	
	Doo	0.0	
Warren county, Mississippi	Dec	20,	
Pressing and packing cotton, machine for. James H. M'Clel-			
land, Fairfield, South Carolina	Dec	28,	-
Plane, revolving timber. Daniel N. Smith, Warwick, Mass.	Dec	28.	
Pendulum motion, lever engine for. Justin Jacob, Montreal,		,	
	Thee	۵٥	
Canada	Dec	29,	
Press, for pressing hay. D. Flagg and Charles Peck, Gardiner,			
Maine	Dec	30,	
Plough for planting corn, improvement in the. H. Russel,			
Litchfield, Maine	Jan	16	1827
Pipes, tubes, gutters, &c. made of clay. Jos. Putnam, Salem,	o un	10,	LUZI
		1 10	
Massachusetts	Jan		
Press for tobacco, cotton, &c. B. R. Curtis, Richmond, Va.	Jan	29,	-
Pumps, improvement in. J. Robinson and L. Shaw, Bath, Me.	Feb	1.	90 mg
Plough, improvement in. Ryland Rodes, Charlotteville, Albe-		. ,	
	Foh	വ	
marle county, Virginia	Feb	۵٠,	
Percussion gun lock, improvement in the. William A. Hart,	-		
Fredonia, New York	Feb	20,	
Pump for steam boilers, improvement in the. A. Judson, Swe-		•	
den, New York	Feb	93	
Paper, mode of pressing. Ira White and Leonard Gale, New-	100	20,	
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burgh, Vermont	Feb	28,	40 **
Propelling vessels by water pressure. Elisha Fuller, North Pro-			
vidence, Rhode Island M	Iarch	2.	-
Pumping water out of ships by wind. Thomas Brownell, N.Y.	March	93 ²	
	141 011	۳٥,	
Processor and litting machine. Commol Androrra Disidentary			
Pressing and lifting machine. Samuel Andrews, Bridgetown,	v	00	
. Maine N	Iarch	28,	
	Iarch	28,	
Maine Noble G. Cryer, Went-		. 1	die.
Maine Plough, improvement in the twin. Noble G. Cryer, Wentworth, North Carolina	Iarch Iarch	. 1	a 1.
Maine Plough, improvement in the twin. Noble G. Cryer, Wentworth, North Carolina Polishing hard and soft metallic substances, machine for grind-	larch	24,	
Maine Plough, improvement in the twin. Noble G. Cryer, Wentworth, North Carolina Polishing hard and soft metallic substances, machine for grinding. B. Green, Hartford, Vermont		24,	dirin.
Maine Plough, improvement in the twin. Noble G. Cryer, Wentworth, North Carolina Polishing hard and soft metallic substances, machine for grinding. B. Green, Hartford, Vermont Power, mode of obtaining from certain fluids. Mark I. Brunel,	larch	24, 27,	di in.

Paper, machine for trimming the edges of. John M'Clintock, Chambersburg, Pennsylvania	March 31	. 1827
Propelling machinery of all kinds. William Stanton, Centre township, Indiana	April 23.	- 1
Preserving eggs, butter, and lard. Thomas Edmundson, Pipe creek, Maryland	April 26,	'
Paint, mill for grinding. Allen Holcomb, Butternuts, N.Y. Piano fortes, improvement in horizontal. Thomas Loud, jun. Philadelphia		
Plough, improvement in the cast iron. Robert Sweeny, Warren county, Ohio	May 15, May 18,	
\mathbf{Q}	, may 10,	
Quantition on block oak howk improvement in the avenuetion		/
Quercitron, or black oak bark, improvement in the preparation for exportation or home consumption. Thomas Benger Quadrant. See Gunners,	Jan 25,	1804
Quadrant. Josiah Arnold, Caledonia, Vermont	April 14.	
Quercitron, or black oak bark. N. Harper, Frankfort, Penn.	Oct 30,	
Quercitron, mode of preparing. Joseph Lyon, Philadelphia Quercitron, machine for preparing James Andrews, Phil.	July 1,	1811
Quills, machine for winding. Francis Jones, New York	July 15, May 23,	1821
Quercitron bark, mode of preparing. James Elliott, Phil.	Aug 20,	
${f R}$. 11	
Rhus, or sumach, manufacture of. See Sumach.	. `	
Raising water by wind. Samuel Morey, New Hampshire	April 11,	1796
Rice and other grain, machine for scouring. Robert Geant	Oct 17,	'
	Nov 16,	
Rice scoured, separating. James Dellet	Dec 23,	
Rice, scouring or skinning, improvement in. Samuel Mullikin Rocks, &c machine for removing. Isaac Lazell	Feb 20, May 18,	
Ropes, improvement in making. Michael Wigglesworth	June 26,	
Runners and bows for sleighs and sledges. Abijah Wilder	Dec 14,	
Rope yarn and twine, machine for spinning. Stephen Gorham	Feb 4,	1800
Rice, gunpowder, &c. machine for pounding. B. Botitho Ruling paper, &c. machine for. Richard Robotham -	Feb 7, Oct 10,	1801
Rolling iron round, &c. Henry Abbott, Philadelphia -	May 4,	
Rolling iron for nails. See Nails.		
Rice. See Hulling rice, machine for. Refrigerator for domestic uses. Thomas Moore	Inn 97	1009
	Jan 27, April 22,	
Rolling machine. See Cleaning cotton.	1	
Rectifying or improving spirits, improvement in the applica-	3.5 . 18	
tion of the principle. Burgess Allison, Philadelphia Rocks. See Boring under water.	May 17,	
Ruling paper. See Cylindric ruler.		
Ruling plates of iron and cutting them into nails. Samuel Ro-		
gers and Melville Otis	,	1004
Rheumatic, liniment. Abel Brown Rafts. William Deane, Pittsburg, Pennsylvania -	Oct 17, 1 Nov 4, 1	
Rheumatic pill. George Barber, Dexter, Boston	70 10	
Reaping grain, machine for. Samuel Adams -		
Rowing machine. Eben Bryant, New London, Connecticut	Jan 13, 1	1806
Rope yarn. See Spinning. Raising vessels, machine for. J. T. Morgan, New York	Oct 9,	-
Ruptures. See Truss.	-,	-
Ropes, mode of making to any size. John Sellers and Andrew	Mor F	00
	May 5, 1 May 9	
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Rays of the sun. See Healing.		
Rolling and slitting mills. Isaac Pierson, New York	Dec 21,	1807
Ruling machine, cylindric. John Fairbanks, Boston -	April 21,	
Rivets, machine for making. Josiah Jennings, New York	April 25,	
Rectification of spirits. Osborn Parsons, Hudson, New York	June 23,	
Rice, machine for cleaning J. Lucas, jun. Charleston, S. C.	July 12	
	July 12	,
Rice, machine for hulling and cleaning. J. T. Ricketts, Ca-	A 0	
meron, Vermont	Aug 8,	
Raising water, machine for. Wm. Barker, Wilkesbarre, Penn.	Aug 26,	
Ratched wheel Marchus B. Parmelec, Newtown, Conn.	Sept 21	
Refining lamp oil. Eli Fourestier, Philadelphia	Nov 17	,
Rotary steam engines. See Stills.		
Reacting water wheel, M'Comb's improvement in. Joel Farn-		
ham, Oswego, New York	Nov 23.	
Rolling wheel on an inclined shaft. S. Mirick, Madison county,		
New York	Nov 30,	
Rolling and plating iron, machine for. Stephen Couch and Asa	2101 00,	
	Dec 10,	
Towne, Boston	Dec 10,	_
Reading, mode of teaching. Hugh Chard, Washington county,	D 1 40	1000
New York	Feb 16,	
Rice, machine for pounding. Jacob Reed, Charleston, S. C.	June 9,	
Roving machine for flax and hemp. G. Brown, Schatecoke,		
New York	June 16,	,
Ropes. See Cables. William Schultz, Baltimore		
Rapid Jack for ascending rapids. Augustus Sacket, N. Y.	July 3,	
	Nov 21,	
Rocks, machine for drilling. E. Jones and Philip White, Brook-		
field, massachusetts	Dec 21	
Raising grain. Jeremiah Bailey, Chester county, Pennsylvania		
Dullong for shooter of blooks Monky Toighton Dontsmouth	maich o,	.1010
Rollers for sheaves of blocks. Mark Leighton, Portsmouth,	Manch 14	
New Hampshire I	March 14,	
New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger,		
New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina	March 14, March 19,	
New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina Raising Water, machine for. Samuel Cuney, Williamson coun-	March 19,	***
New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina Raising Water, machine for. Samuel Cuney, Williamson county, Tennessee		***
New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina Raising Water, machine for. Samuel Cuney, Williamson coun-	March 19, April 24, May 17,	
New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina Raising Water, machine for. Samuel Cuney, Williamson county, Tennessee Reflector, elastic lamp, Joseph Flag, jun. Boston	March 19, April 24, May 17,	
New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina Raising Water, machine for. Samuel Cuney, Williamson county, Tennessee Reflector, elastic lamp, Joseph Flag, jun. Boston Reflecting and magnifying lantern. Winslow Lewis, Boston	March 19, April 24, May 17, June 8,	
New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina Raising Water, machine for. Samuel Cuney, Williamson county, Tennessee Reflector, elastic lamp, Joseph Flag, jun. Boston Reflecting and magnifying lantern. Winslow Lewis, Boston Rifle guns. Elisha Strong and C. Kellog, New Hartford, Conn.	March 19, April 24, May 17, June 8, Aug 31,	ene ene ene ene
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New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina Raising Water, machine for. Samuel Cuney, Williamson county, Tennessee Reflector, elastic lamp, Joseph Flag, jun. Boston Reflecting and magnifying lantern. Winslow Lewis, Boston Rifle guns. Elisha Strong and C. Kellog, New Hartford, Conn. Reverting wheels. Otis Paine, Foxborough, Massachusetts Rice, machine for hulling. Sherman Dewey, Hartford, Ver.	March 19, April 24, May 17, June 8, Aug 31, March 1, March 2,	1811
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New Hampshire Rice, machine for beating out. J. Beck and J. Coppinger, Beck's ferry, South Carolina Raising Water, machine for. Samuel Cuney, Williamson county, Tennessee Reflector, elastic lamp, Joseph Flag, jun. Boston Reflecting and magnifying lantern. Winslow Lewis, Boston Rifle guns. Elisha Strong and C. Kellog, New Hartford, Conn. Reverting wheels. Otis Paine, Foxborough, Massachusetts Rice, machine for hulling. Sherman Dewey, Hartford, Ver. Rollers, mode of casting iron. Cyrus Alger, Boston Ripening and keeping malt liquor. Robert Hare, Philadelphia	March 19, April 24, May 17, June 8, Aug 31, March 1, March 2, March 30, Aug 22,	1811
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Roller, impressed. John Owings, Baltimore Ruler, spring penn. T. M. Pomroy and L. Hedge, Windsor	Jan 25	, 1814
Vermont Roller toothed for sowing. Abel Densmore, Le Roy, N. Y.	June 21 July 29	
Reconductor, the. John Sargent, Vernon, New York -	April 23	
Roving machine for cotton. William Bryant, Davidson county Tennessee	April 29	
Reed, weavers. Jeptha A. Wilkinson, Otsego, New York	July 3	
Ruling paper. Lewis Henry, Bellows Fall, Vermont -	Aug 24	
Rolling bar iron edgewise. George Ellicott, Baltimore	Sept 20	
Refining sugar. Mervin Merrill, New York	Oct 25.	
Rocks blown under water. J. M. Syme, Richmond -	Dec 12.	
Rivers, machine for cleaning the bottoms of. J. Tucker, Balt	Dec 12	
Ruling machine, double. T. Newhall, jun. Lynn, Mass.	Dec 26,	
Ribbons, machine for glossing. Charles Cromwell, N. Y.	Jan 27,	
Revolving ruler. Lemuel Hedge, Windsor, Vermont	March 3,	
Rope yarn, manufacturing. John Petman	March 14	,
Ruling machine. George Strowhuver and Frederick Sanxay		
Cincinnati, Ohio	Sept 1,	
Roller for beating. Hugh Maxwell, Lancaster, Pennsylvania	Dec 26,	
Reaping and thrashing machine. John Hersey, Mathews		
county, Virginia	Feb 9,	1818
Rafts, mode of constructing. Daniel Gordon, Chanceford, Penn.	. Feb 14,	
Rudder, mode of hanging ships'. Com. John Shaw, Phil.	April 10,	===
Rollers, lathe for turning. Samuel Rogers, Bridgewater, Mass.	June 24,	
Rolling sheet iron, machine for. Do. do.	June 24,	
Rubbers, side. John L. Sullivan, Boston	Dec 11,	
Ropes, machine for. Robert Colbert, Boston	March 17,	
Rice polisher. J. Lucas, jun. Charleston	Nov 6,	
Rockers for cradles, chairs, &c. Samuel Simmons, Baltimore	Dec 21,	
Razor straps, improvement in. Jonas Crumbacker, Union, Fre-		-
derick county, Maryland	Dec 24,	-
Readies for cordage and ropes. Robert Graves, Boston	Dec 31,	
Ropes and cordage, making. Eleazor Crain, Springfield, N. Y.		
Rail ways and carriages, improvement in. C. Williams, Rich-		20140
mond, Virginia	Jan 18,	
Rice, machine for cleaning. Richard French, Morrisville, Penn.	Oct 13,	'
Readies, machine for making ropes Robert Graves, Boston	Nov 22,	-
Readies, drawing yarn for. Do. do.	Nov 22,	
Ropes, machine for making and laying. Do. do.	Nov 22,	
Ropes, machine for equalizing the strain. Do. do.	Nov 22,	
Ramrods, machine for making. Charles G. Barstow, Exeter,		
New Hampshire	Dec 21,	-
Razor straps, paste for. Elisha M. Pomeroy, New Haven, Conn.	Jan 24,	
Rifle, repeating. Isaiah Jennings, New York	Sept 22,	
Razor straps, improvement in. John M. Fors, Baltimore	Oct 2,	
Rice, machine for cleaning. Lazarus Ruggles, New York	Oct 12,	
Reticules and pocket books, improvement in. William Win-	00112,	
ning, New York	Nov 7,	
Reeds, improvement in metallic. Peter F. Huben, Patterson,	1101 1,	
New Jersey	Nov 15,	
Rail ways, improvement in. Charles Williams, Boston	Nov 16,	
Rice, machine for hulling and shelling Elihu Spencer, New	1107 10,	
Haven	Dec 5	
	$D \cup U_j$	
	Ion 10	1800
bany, New York Razor straps, improvement in. Jacob Houck, New Market, Md.	Jan 19, . Jan 24,	1022
Tazor straps, improvement in Jacob Houles, New Market, Mu.		
Railing, ornamenting the tops of. Paulus Hedl, New York	Feb 21,	
	March 9,	
Rollers, mode of covering. Everet Williams, Stratford, N. H.	April 13,	en er:

Rigging, attaching the standing. William H. Allen (killed by			
the pirates,) United States' navy, Albany, New York	July	10,	1822
Revolving lever for boats. Lewis Marchand, Blakely, Alabama	July		
Rigging vessels, called centre reeving. Samuel A. Wells, Bos.			
Rigging, called lever truss and sling. do. do.	July		
Rivers, navigating and ferrying. Edward Clark, Philadelphia	June	25,	1825
Rotary motion, from a measured rectilineal one. Archibald			
Smith, New York	Aug	30,	
Ruling machine, for paper, &c. Richard Willcox, N. Y.	Sept	4,	****
Rice mills, improvement in steam. John L. Norton, Charles-		,	
ton, South Carolina	Dec	16	
	DCC	10,	
Rolling machine, for cotton or wool. Jesse Hopkins, Stras-		1.4	1001
burgh, Pennsylvania	Jan	14,	1824
Rolls, method of receiving from the machine. Gilbert Brewster,			
Norwich, Connecticut	March	13,	
Rotary motion, mode of producing a. William Scarburgh,			
Darien, Georgia	May	19:	
Rudders for vessels, construction of. Andrew Watkins, Salem,	Lixaj	,	,
	Man	Ω1	
Massachusetts	May		
Rail roads, improvement in John Stephens, Hoboken, N. J.	June		
Rapids, &c. rendered navigable. do. do.	June	8,	
Razors, improvement in making. J. Brown, Providence, R. I.	June	28,	
Revolving rake, improvement in. Henry and Ezra Hoopes,		1	
Wilmington, Delaware	July	26	200 may
		~0,	
Roping and spinning wool and cotton. A. Patterson and Fran-		00	1
cis Burdick, Delaware county, New York	Sept	'	
Rail roads, construction of. John Stephens, Hoboken, N. J.	. Oct		
Roping cotton, slack, &c. Sydney Whiting, Franklin, Mass.	Nov	17,	***
Roping cotton, slack, &c. Sydney Whiting, Franklin, Mass. Raising water by weights. William Dabney, Richmond, Va.	Nov	20,	
Ruling paper, machine for. George Crosby, Augusta, Me.	Jan		1825
	March		-
Rail way, single. Henry Sargent, Boston	May		
Rotary machine. Elisha Hale, Pomfret, New York	May	20,	
Roller, for wagon and carriage springs. John Barton, jun.		7.	
Providence, Rhode Island	Sept	9,	-
Rigging, mode of setting up standing. Benj. Booth, Wash.	Sept	28,	au
Rectifying liquor. L. C. and Ph. Bodman, Baltimore, Md.	Sept		
Reaping and cutting, machine for. James Ten Eyk, Bridge-	o-P.	٠,	
	Nov	9	
water, New Jersey			
Reacting or lever wheel. Luther Davis, Northampton, Mass.	Nov	4,	
Rice, &c. machine for cleaning. Alexander Shinie, Charles-			
ton, South Carolina	Dec	21,	-
Refrigerators for distilleries. L. C. and Ph. Bodman, Balt.	Jan	6,	1826
Rice, machine for hulling and cleaning. John L. Norton, N.Y.			
Rollers, heating calender. Joel Brimhall and Thomas Keyes,		,	
jun. West Boylston, Massachusetts	Annil	1	
Denomina mode of main annual Con Dani Management	April		
Repairing, mode of raising vessels for. Benj. Waterhouse, N.Y.	April	15,	
Rail roads, called forest rail roads. H Pinkus and J. R. Wil-			
liams, London, England	April	27,	-
Rail way, with a lift. Ethan Baldwin, Harrisburg, Penn.	May		les de
Rail ways, for teams to pass on. J. Brown and G. W. Robinson,	J	,	
	Fune	6	
Providence, Rhode Island	June		-
Rail way, endless, improvement in the. Jeremiah Price, N. Y.	Sept		***
Rail way, improvement in the submarine. John-Thomas, N. Y.			44 MD
Rail way, improvement in the marine. Richard Ward, N. Y.	Dec	28,	
			1827
77.	March	e),	
Rice, machine for hulling and cleaning. J. Campbell. Wins-	March	υ,	10,0
Rice, machine for hulling and cleaning. J. Campbell, Winsborough, South Carolina	Мау		

Stone and marble, polishing of. Samuel Mulliken, Phil. Spindles, diminishing friction of. Robert K. Livingston, Cler	-		1791
mont county, New York Steam engine, improvement on Captain Savary's. James Rum			
sey, Berkley county, Virginia	Aug		and the
Steam, generation of. Do. do.	Aug	26,	
Steam, application of to propel boats or vessels. Do. do.	Aug	26,	-
Steam engine applied to navigation. John Fitch, Philadelphia	Aug	26,	-4
Steam engine, boiler of. James Rumsey, Berkley county, Va.	Aug		
Steam, boiler for generating. J. Stevens, jun. Bergen county.	,	Í	
New Jersey	Aug	26.	-
Steam, raising water by. Do. do.	Aug		
Steam, applying the force of. Do. do.	Aug		
Steam engine boiler. Nathan Reed, Massachusetts -	Aug		
Steam engine, improvement on Savary's, for raising water	, mug	۳۰,	
Englehart Cruse, Baltimore, Maryland		90	
	Aug		
Steam jack. John Baily, Boston			1792
Steel, hardening and tempering. David Hartley, Boston	Feb	24,	-7
Stones, mill, handmill for picking of. Jonathan Dorr and So-			
lomon Hodge, Washington, New Jersey	Oct	23,	
Spit, new method of turning a. S. Morey, Oxford, Grafton			- dl. s.
county, New Hampshire			1793
Sumach, or rhus. Richard R. Saltonstall, New London, Conn.	Feb	28,	
Sugar, moulds for claying. Jonathan Williams, jun. Phil.	March	13,	
Sumach, or rhus. Richard R. Saltonstall, New London, Conn.	May	1,	
Stone of cast iron. Robert Heterick, Pennsylvania -	June		***
Sails of ships and boats, applying and regulating the. Joseph		,	
S. Sampson, Boston	July	5.	
Sail, duck, weaving. James Davenport, New Jersey	Feb		
Still, steam, improvement in. Alexander Anderson, Penn.	Sept		
Salt, making from sea water. James Fennel, Pennsylvania	Sept 2		
Still, improvement in. John Kincaid, Pennsylvania -			
	Nov :		
	March I		
Still, worm of sheet copper. John Taylor, Virginia	June :		1800
Stones, sawing and polishing of. Jonathan Dickerson, N. J.	Jan		
Seed, clover and other, cleaning. Jonathan Roberts, jun. Penn.	Feb 1	13,	
Silk, linen, &c. oiled. See Oiled, &c.			
Skins, seals, manufacturing of. James Eaton, Massachusetts	Feb		
Sumach, manufacturing. Joseph Hilliard, Connecticut	May		
Steam engine and boiler, invention of. Elijah Bachus -	May	31,	7*
Stays, &c. improvement in, for removing incurvitures or distor-			
tions of the spine. Limdin M'Kechnie	July	1,	
Salt; improvement in making. George James	Nov .	16,	
Skins, improvement in splitting sheep. James Stanfield	Nov .		***
Soap, improvement in making. John Nazro Stoves, improvement in. James M'Callmont	Jan	6,	1797
Stoves, improvement in. James M'Callmont	Feb :		
	March :		
Stoves, improvement in. Caleb Wheaton -	March !		
Shingles and boards, improvement in making. Bill Jervis	July	- "	
Saddles, improvement in. Thomas Stickney - , -	Nov		
Stove, a soap stone. William Payne	Dec 1		
Steam engine, application to the sawing, cutting and manufac-	,000	, ,	
	March 6	2.4	1700
turing lumber. Robert M'Kean Steam engine, a double. James Smallman, N. J. Roosevelt	March 2		
Steam (S. M. 1700) See Water	May 3	, ,	×-
Steam (S. M. 1799.) See Water.	T1 1		
Stoves, improvement in. J. W. Godfrey and William Lane	July 1		
Stoves, coal, improvement in. Henry Abbott	Jan 2		
Salt, a machine for manufacturing. John Sears	Jan 2		
Steelyards, improvement in. Benjamin Dearborn	Feb 1	4,	C) A
Stones. See Marble.			
Steam, application of. Samuel Morey, New Hampshire	March 2	ο,	+

	March 30,	1799
Ships, machine to keep its distance at sea (reckoning.) Chester	May 28,	~*
Screws, machine for cutting. David Wilkinson	Dec 14,	100.00
Seeds. See Cotton.	Inn 16	1200
Stoves and grates, improvement on. Oliver Evans	Jan 16, April 10,	
Stop cock. Peter Walker Silk, cotton, worsted, engine for reducing	April 10,	
Sumach, manufacturing. Comfort Hoyt	April 7,	
Ships and vessels, improvement in the construction of. Jerc-		
miah Brown	May 14,	man and
Sheathing vessels, improvement in. Henry Guest, New Bruns- wick, New Jersey	Jan 26,	1801
Stoves, improvement in construction of. W. Henderson, Mid-	Feb. 10	
dleton, Connecticut Starch manufactured from potatoes. John Biddis, Phil.	Feb 12, March 22,	
Stove, serew and reel, grain drying machine Day. Ellicot, Ann		
Arundel county, Maryland	May 1,	
Spoons, mode of manufacturing. T. Bruff, Washington City	Sept 14,	
Seal and beam, moveable and suspended. S. Wallis, Boston	Sept 21,	
Syphonic steam machine John Pool Stills, construction of. Michael Krafft, Philadelphia -	Oct 13, Oct 28,	
Ship's pump, improvement in. George Clymer, Philadelphia		
Saw mill, improvement in turning the log. M. Coates, Wash-	•	
ington county, Pennsylvania	April 1,	1802
Saw mill, improvement in. Hezekiah Richardson, jun. and Levi Richardson, Middletown, Massachusetts	April 28,	
Spirits, mode of improving. Burgess Allison	May 12	
Scientific steelyards. Lewis Du Pre, South Carolina -	May 12	
Salt, machine for manufacturing. B. Ellicot, Lancaster, Penn.		, ~*
Steam boat, improvement in. Edward West, Fayette county,		
Kentucky Still, improvement in. William Paine	July 6 Aug 24	
Steam engine, improvement in. Samuel Briggs, jun.	Oct 9	
Splitting skins, improvement in. Asa W. Chickering -	Nov 29	
Stills, improvement in. John Staples	Dec 15.	
Salt, improvement in making. Valentine Peers - Stone and marble, machine for sawing. W. Palmer -	Dec 18	
Saw mill for cleaning cotton. G. F. Saltonstall, Fayetteville.	Dec 31	, -7
North Carolina	Jan 4	1803
Stills, improvement in. John Moffat	Feb 1	
Spirits from starch, mode of extracting. John Naylor	March 7	
Sea sitting chair. A. Du Buc Marentille - Sub-marine passage or hollow inverted arch. J. Staples, Flush	March 18	,
ing, Long Island	March 18	
Sea salt, improvement in the process of manufacturing. George	3	, .
Hunter	March 24	
Steam, improvement in producing. John Stevens, New York Salt, expediting the manufacture of. Timothy Alden, jun.	April 11	
Steam engine, improvement in. Samuel Morey, Rufus Graves	May 25	,
and Giles Richards	June 15	i
Shearing woollen and other cloths, machine. L. Stanley	June 25	
Skins, machine for pulling hair off. Nicholas Young	June 28	,
Shingles, machine for splitting and shaving. Daniel French Middletown, Connecticut		
Stills, improvement in the construction of. L. Geanty	July 25 Aug 4	
Seals' fur, method of preparing for hats. G. Cleveland, Hart		,
ford, Connecticut	Sept 9	
Shelling corn, machine for. Paul Pilsbury	Oct 25	,
Stills. See Boiler. Spinning wheels, improvement in. Amos Minor -	Nov 16	
1 17	- 101 E	7

Still heads and condensers, improvement in. E. Richardson, N. P. Stills and boilers, improvement in. Leonard Betty	Dec 16, 1 Jan 19, 1	
Stills, improvement in the construction and in the process of		100 %
distilling spirits. William Wigton, Hudson, New York Screw mill, for breaking and grinding different hard substances.	Jan 30,	
Oliver Evans, Philadelphia	Feb 14,	
Steam engines, improvement in. Oliver Evans, Philadelphia	Feb 14,	9814K j
	Feb 21,	
Smut fanning mill, improvement. Thomas Pierce, Fishkill, N.Y. Spinning wheel, improvement in. William B. Dyer -	Feb 21, Feb 27,	
Shot, improvement in the mode of making. P. Daniel, Phil. Making.		
	arch 31,	
Sheet tin, improvement in mode of working. Calvin Whiting		
	April 14, April 14,	
Steam bath still. See Double.	thru ita'	
Straw and hay. See Cutting.		
	May 8,	
	May 16, Nov 19,	
	May 8,	
Sod oil, for leather, method of making. G. Poyzer, Phil.	May 10,	
Sluice to convey water to wheels, &c. James Humiston, New	70	
Haven, Connecticut	May 10, May 24,	
Smut fanning mill. Thomas Pierce, Fishkill, New York Setting boilers. See Boilers.	May 24,	••
Sulphate of potash, method of separating. A. M'Nitt, Geneva,	, ,	
New York	June 15,	enco.
Springs for wheel carriages. William Wing and H. Salisbury, Hartford, Connecticut	Aug 29,	-
Shingles, improvement in making. A. A. Kelsey, Hartford,	1145 20,	
Connecticut	Oct 9,	
Splitting skins, machine for. Wm. Lillie, West Chester, N. Y.		
Salt, making. John Gilman Taylor Shearing woollen or other cloths by water. Friend B. Kellog,	Nov 13,	
Marlborough, Massachusetts	Nov 22,	***
Spring pump for raising water. William Finn, Baltimore	Feb 13,	1806
1	Iarch 5, Iarch 7,	
	larch 31,	
Straw See Cutting.	,	1
	April 25,	
Steelyards. John Edwards, New York Scale beams and balances. John Edwards, New York	May 19, May 19,	
Stove. See Cabouse.	may 15,	, -
Shearing cloth, machine for. Beriah Smith, Washington, N.Y.	May 25,	-
Salt, method of extracting from salt water. Stan. Smith, Suf-		
folk, Massachusetts Salt, method of facilitating the process of extracting from salt	June 12,	
	June 13,	
Spinning of rope yarn, machine for. N. Cutting, Washington		
City	July 14,	77
Swing cradle. Zachariah Mills, Hartford, Connecticut Sublimation of sulphur. George Barber Dexter, Boston	July 17, Oct 9,	
Screens for freeing grain from dirt, &c. W. Tulloch, Orange	000 0,	
Court House, Virginia	Oct 28,	***
Suspenders. Jonas Dawson, Philadelphia	Nov 6,	
Sleigh. See Transverse. Swivel screw, water tight, for steam engines, &c. Abel W.		
Hardenbrook, New York	Feb 10,	
Salt, mode of making. Timothy Green, New York	April 1,	

	Shingles and staves, machine for dressing. J. M'Ilvain, Ches-			
	ter, Pennsylvania	April		1807
	Stumps, method of raising from the ground. A. Craig, N. H.	April	15,	E01-00
	Springs for carriages. See Main.		~~	
	Steelyard. Barnabas Langdon, St. Albans, New York -	April		
	Shearing cloth, machine for. Russell Dorr, Kinderbrook, N.Y.	May		
	Shingling the roofs of houses, &c. Thomas Young, Phil.	May		
	Spring buckle, mechanical. John Green, New York -	May		
	Stills, improvement in. S. Steward, Walpole, N. H.	June		0-0
	Shearing cloth, machine for. Enoch Burt, Princeton, N. J.	Junc		are un
	Saw mills, improvement in. Jacob Spafford, Ipswich, Mass.	June	23,	shut-
	S traw, machine for cutting. J. Cleaveland, Franklin county,			
	Pennsylvania	July	18,	-
	Straw, machine for cutting. Ben. Gonnor, Portsmouth, N Y.	July		
	Stills, improvement in. Edward Richardson, Fredericktown	Oct	3,	
	Straps for suspenders. See Leather, &c.	•		
ı	Stove pipes, mode of making. R. Wheatley and J. Beaumont,		•	
	Boston	Nov	4,	
	Still, improvement in. William Thornton, Washington City	Dec	13,	
	Sugar, mode of making and refining. Antoine Boucherie, Phil.			1808
	Splitting leather and skins, machine for. William Brent, Bost.	Feb	24,	
	Screw press. See Press.			
	Smoothing and polishing paper, machine for. Wm. Coolidge,			
	Boston	April	18,	
	Stripping allum dressed leather for shoe binding. S. Frothing-	. 70		
	ham and George Harris, Middletown, Connecticut	April	20,	
	Spinning wheel, improvement in. T. Cruttenden, Poultney,	•		
	New York	April	23,	-
	Shearing machine for cloth. Eben. Stowell, Worcester, Mass.	April		
	Springs, thorough brace for carriages. J. Mix, New Haven,	•		
	Connecticut	June	17.	as m.
	Stoves for heating rooms. Allan Pollock, Boston -	June		
	Sawing stone, wood, &c. Do. do. • -	June		
	Shearing cloth, machine for. S. Stewart, Eben Hovey and		,	
	James Henderson, Pittstown, New York	June	21.	
	Springs for carriages, folding or spiral. J. Armour, jun. Balt.	June		
	Slitting boards, planks, &c. Ezekiel Olds, Brookfield, Mass.	June		
	Splitting skins. Isaac Cobb, Walpole, New Hampshire	July		
	Shaving and splitting. See Leather.		,	
	Straw cutting machine. Elihu Hotchkiss, Battleboro', Vert.	Aug	2,	
	Spinning wheels. Obadiah Sheely		_6,	
	Springs for carriages. Joshua Cone, Reading, Connecticut		26,	
	Stove, rarefying air. Daniel Pettibone, Roxbury, Connecticut	. Oct		
	Scrubbing and scouring machine for floors. Simon B. Willard,		,	
	Bloomfield, Ontario county, New York -	Nov	17,	-
	Stills and rotary steam engines. Sted. Adams, Hartford, Conn.	Nov	21,	
	Still tubs. Isaac Bennet, Newton, Connecticut		12,	
	Shingles, machine for dressing. R. and T. Nicholson, Birds-			
	town, Kentucky	Dec	13,	
	Suspending. See Carriages.	200	,	
	Splitting bides, machine for. Seth Boyden, Foxboro', Mass.	Jan	7	1809
	Steam boats and boilers. William Thornton, Washington City		ı 16,	
	Sawing timber in circular form. J. Lindsey, Cassanovia, N. Y.		4,	
	Steam boats. Robert Fulton, New York		11,	
	Stoves. James Fales, Newport, Rhode Island -	Feb	22,	
	Scows and boats. Elihu Sherman, Lansingburg, New York			
		March		
		March		
	Silk stuffs, machine for finishing. Abner Stearns, West Cam-		. 11,	
		March	99	
	Splitting leather and skins. John Woodcock, Worcester, Mass.			
	Shreene learner and skins. Soun Mondoock' Market in 1888.	MINT	0,	ad an

Straw cutting machine. Roger Haskell, Burlington, N. Y.	May	25,	1809
Sea table. William H. Richardson, Baltimore	June	9,	mat.
Shutters for windows. Truman Bartholomew, New York	June	17,	- J
Straw cutting machine. Jacob Canfield, Morristown, N. J.	June		all safe
Shearing cloth. David Dewey, Poultney, New York	June		
Spiral float wheel mill. Fitch Ives Lisle, New York	July	7 5,	7
Spiral truss. See Truss.		,	
Shingles, machine for riving and shaving. Jacob Balcomb,	Tulor	15	
Reading, New York	July July		
Shot, manufacturing. John W. Jope, Philadelphia	July	11,	
Screws, machine for cutting wood. A Stowell, Worcester, Massachusetts	July	18.	-
Stump lifting machine. David Stone, Claremont, N. H.	July		
Saw for wood. James Hamilton, Brookfield, Massachusetts	July		
Screw augur, double podded centre. E. L'Hommedieu, Say-	Jusy	,	
brook, Connecticut	July	31,	-5
Spirits and wines, mode of ameliorating. W. Thornton, Wash-			
ington, District of Columbia	Sept	1,	
Steam engine, improvement in the. Daniel French, N. Y.	Oct	12,	/
Shingles, machine for splitting. Joseph Coppinger, Baltimore	Oct		
Spoons, machine for manufacturing. Isaiah Bisbee, Bath, Mass.	Nov		
Stills, cast iron. Joseph Coppinger, Beaufort, North Carolina	Nov	21,	-
Seine. See Fishing.	n	01	
Sawing machine. E. Odds and Phiney Upham, Worcester, Mass.	Dec		1910
Steam engines and boilers. John Stevens, New York			1810
Soal teather, machine for compressing. J. Elliot, Sharon. Conn.	Jan Jan		entro en 49
Sawing timber. Elisha Cook, Bethlehem, Massachusetts	Feb		14
Sheaves, method of making. Enoch C. Topham, Essex, Mass.	Feb		
Stove pipes. John Parkhurst, jun. Cheshire, New Hampshire Sawing timber. John Sweet, Bethlehem, Massachusetts	Feb		
Signals for vessels. Nath. Shaler, New York -	Feb		
Saw mill. Abel Wright, Canaan, New York	March		
Spring bolt and key for windows. R Smith, Norwich, Conn.			
Sawing timber. A. Jones, jun. Bethlehem, Massachusetts	March	14,	
Spinning wheel. Winsor Drury, Brookfield, Massachusetts	March	19,	
Saw, driving whip. Joseph Coppinger, Frederick, Georgia	March		
Salt, manufacturing. Benjamin Wheeler, Boston	March	28,	
Screw. See Grist mill.			
	March		-3
Still, perpetual. Robert Gillespie, Seneca county, N. Y.	April	2,	
Stone turner, marble. David Clark, West Stockbridge, Mass.	April April	10	
Saw mill. Joseph Ennals, New Market, Maryland	April		parade,
Spinning wheels, the heads of. Amos Miner, Marcellus, N.Y. Sawing wood, machine for. Roger Smith, Norwich, Conn.	April		ing.
Spring tree saddle. David C. Mosely, Boston -	April		
Screws, casting metal. John Nicholson, Herkimer, N. Y.	April	28,	
Sash stuff, machine for trying. E. Basford, Livermore, Mass.	April	28,	
Sawing boards, machine for. O. Judd, jun. London, Mass.	May		
Saw mill to be worked by hand George Harris, Philadel.	May	3,	
Shelling corn. John Heavin, Frederick county, Maryland	May	8,	***
Shearing cloth. Eleazar Sprague, Danbury, Connecticut	May		
Shearing cloth. Herman Mathews, Delaware	May		
Suspenders. James Davis, Philadelphia	May		
Shearing cloth. Beriah Swift, New York	May	26,	-
Saddle trees, machine for making. Ruben and E. Fairchild,	Trans	1	
Fairfield, Connecticut	June	1,	
Ship building. See Boat, &c.	July	19	
Splitting mill. Phineas Dow, Boston Shaving shingles, machine for Ahiel A Cooley Bolton Conn.			-
Shaving shingles, machine for. Abiel A. Cooley, Bolton, Conn. Smoothing linen, machine for. W. P. Smith and Jacob Odell,	July	10,	
Durham, New Hampshire	July	17.	-
and the state of t			

Shaving shingles. Daniel Newel, Saratoga, New York	July 26.	1810
Steam, mode of producing. J. H. Williams, Brunswick, N. J.	July 26	
Steam, propelling boats by. Ralph Letton, Albany, N. Y.	Aug 29	,
Shovels, machine for swaing. Upton Reed, Harford, Md.	Aug 31	
Smoke conductor. John C. Teall, New York	Sept 11	
Starch, mode of making. E. Perkins, Shrewsbury, N. J.	Sept 16	
Steering vessels. John Philips and James Smallman, Phil.	Sept 18	
Smoked beef, machine for cutting. Seth R. Kneeland	Oct 9	
Sawing machine. David Parmelie, Fairfield, Connecticut	Oct 25	,
Skins, machine for splitting and shaving. P. White, Worcester Massachusetts	Nov 1	
ter, Massachusetts Stoves. Augustus Graham, Fredericktown, Maryland	Nov 1	
Steam still and water boiler. Phares Bernard, Whitestown, N.Y.		
Steam for cooking. Hosea E. Potter, Otsego, New York	Nov 20	
Springs, wooden, for carriages W. Robinson, Wilmington,		,
Delaware	Nov 27	
Still, perpetual. John James Giraud, Baltimore	Dec 22	
Sawing machine, improvement in. Ezekiel Old and Pliny Up-		
ham, Brookfield, New York	Dec 26	
Steam still and boiler. P. M. Hackley, Herkimer county, N.Y.	Jan 11	, 1811
Steam pump. Phares Bernard and T. Soper, Whitestown, N.Y.	Jan 16	
Steam boat, chain float. Michael Morrison, Boston	Jan 17	
Sleigh. Augustus Day, Bordentown, New Jersey	Jan 19	,
Salts. See Evaporation.		
Spirits. See Corn stalks.	Feb 9	
Steam boats. Robert Fulton, New York Steam still. Samuel Bacon, Lanesburgh, Massachusetts	Feb 9	
Saw mill, descending. S. Belknap and S. Merril, Georgetown,		,
District of Columbia	Feb 15	i,
Steam engine. J. Stubs and N. Parsons, Chillicothe, Ohio	Feb 25	
Saw mill. Miles H. Abbot, Bucks county, Pennsylvania	Feb 26	
Starch, &c. from vegetable matter. E. Perkins, Shrewsbury,		,
New Jersey	Feb 26	j,
Shearing cloth. Ezra Willmarth, Rumney, Massachusetts	Feb 28	3,
Screws, machine for cutting wooden. R. Hancock, sen. and		
	March 1	
Stove. William Watson, Weymouth, New Jersey -	March S	
	March 2	2,
State, application of. W. Sheldon, jun. Springfield, Mass.	March 2	
Shearing, cloth. George C. Kellog, New Hartford, Conn. Sausage meat, machine for cutting. G. Neff, Dauphin county,	March 4	t,
Pennsylvania	March 19)
Stave and shingle machine. W. Bailey, Nelson county, Ken.	April 10	
Saw mills. Oliver Evans, Philadelphia	April 1	
Stove, kitchen. J. Sibley, New York	April 2	5,
Straw plait, machine for pressing. D. Atherton, Providence,		
Rhode Island	April 20	6,
Shearing cloth. Jesse Molleneuse, Hempstead, New York	April 30	0,
Shearing machine. Eleazar Hovey, Canaan, New York	May	
Steam still. John James Giraud, Baltimore -	May 1	
Steam engine for propelling. John Stevens, New York	May 2	
Saw mill. Marshall Lewis, Shenango, New York	May 2	
Suspenders. Henry Burk, Bucks county, Pennsylvania - Suspenders, spring double. Benjamin Wolcot, Danbury, Ohio	May 2	
Shaving shingles, machine for. Daniel Parker and John Sand-		,
ford, Sharon, Connecticut	May 3	0,
Shears for shearing woollen. William Stillman, Westerly, R. I.		
Steam kitchen for baking, &c. Samuel Smith, Herkimer, N.Y.		
Staves, &c. machine for shaving and jointing. Barnabas Lang-		
don and William Mowry, Washington county, N. Y.	June 2	0,
Steam stove. Josiah Noyes, Herkimer county, New York	June 2	

· ·			
Spinning and winding rope yarn. C. Brig and P. Schermerhorn	July	2,	1811
Steam engine. See Pendulum. Socket and sand shovels, machine for. Jonathan Righter,			
Downingtown, Pennsylvania	July	23	-
Still and condenser. Richard Seely, Newark, New Jersey	July		-
Steam carriages. Charles Reynolds, East Windsor, Conn.	Aug		
Stills and boilers. Jacob Decker, Green, Chenango county,	, ,		
New York	Sept	2,	
Spinner. See Pleasant	19-	-	
Stills. Henry Witmer, Lancaster, Pennsylvania	Sept	19,	
Steam boats. James Rogers, Albany, New York -	Sept		
Stoves. Thomas Power, New York	Sept		
Salt, making fine from coarse. C. W. Sellers, Alexandria, D.C.	Oct		
Sulphuric acid. Benjamin Bell, Boston Steam engine. Daniel Dodd, New York	Nov Nov		
Steam kitchen. John Bouis, Baltimore			1812
Steel, converting pig iron into. Enoch Leonard, Canton, Mass.			
Seine. See Net.	W.		7.
Save all for saw mills. J. Hart and Lester Fling, Cheshire,		d.	
New Hampshire	Jan	18,	-
Steam engines. J. Curtis and Royal Yeamans, Washington	Feb		
Stove, cooking. Jonathan Low, Fitchburgh, Massachusetts	Feb	,	úa.
Stove N. Lloyd, Philadelphia	Feb		
	March		
	March		
Shingles, machine for dressing. J. Heavin, Montgomery, Va. Spinning machine. Stephen Clements, Hartford, Vermont	March		
Steam engine, propelled by poles. M. Battle, Herkimer, N.Y.			
Still, wooden, &c. R. W. Adams, Marlboro', Vermont	March	27.	-
Salt, manufacturing. Ambrose Dudley, King William's county,	,	,	
	March	31,	
Steam boat, setting. John Evelett, Boston	April		-
Still head, quilted clothing for. C. Jenk, East Windsor, Conn.	April		
Still head. C. Jenks, East Windsor, Connecticut -	April		
Shearing machine. Stephen Tredwell, Reading, Connecticut	April	27,	-
Scale board, machine for cutting. J. Carrington, Litchfield,		07	
Connecticut	April April		-
Spinning wheel. James Shaw, Herkimer county, N. Y.	April		
Sawing machine. Russel Canfield, Pkiladelphia -	May		
Saw mill, cross cut. Samuel Kennedy Gore, Bradford county,		,	
Pennsylvania	May	4,	1 mg
Spinner. See Linen.	. ,		,
Steam engine. Daniel Dodd, Elizabethtown, New Jersey	May		
Screws, machine for cutting. E. Hazard and J. White, Phil.	May		mar/
Smut, machine for casting. D. Tomlinson, Brookfield, Conn.	May		-
Stove, fire proof stone. Abraham H. Quincy, Boston	May		, "
Saw mills. Webb Hart, Cheshire, Connecticut	May		
Shearing cloth, machine for. Walter Kennedy, Frankfort, K'y Stove for heating water, &c. T. Woolson, Amherst, N. H.	June July		
Shearing and laying the knap of cloth, Lemuel Dickerman,		,	-
Schagticoke, New York	July	18.	no tr-
Steam engine, horizontal. Jacob W. Sexton, Burlington, N. J.	July		90 FE
Spirits, purifying of. Abiel Pease and Samuel Bestor, Enfield,	•	,	
Connecticut	July	27,	
Steam engine. Alexander Anderson, Philadelphia -	Aug	21,	-
Steam washer. James Truman, Philadelphia	Aug	21,	77
Steam machine to keep a wheel in motion. M. B. Parmelee,		0-	
Newtown, Connecticut	Aug	'	****
Shearing cloth. Gersham Bestwick, Brookfield, Connecticut	Sept	20,	aten

Saw mill worked by animal power. B. Owen, Prince George's	ò	
county, Virginia		1, 1812
Shearing cloth. George Booth, Poughkeepsie, New York	Oct 1	3,
Steam boats and steam engines. Dan Large and F. Grice, Phil.	Noy 1	2,
Setting saws. John Somner, Franklin, Pennsylvania	Nov 1	
Sulphur sublimating. Geo. Robertson, Elizabethtown, N. J.	Nov 1	
Spinning cotton. Nehemiah Giles, Fitchburgh, Massachusetts		
Sugar candy ware. Laurence Astolfi, Philadelphia	Nov 2	0. ~
Stills. Hiram Whitcomb, Cornwall, Connecticut	Nov 2	4,
Stoves, open. J. Howe and W. Lankester, Boston	Nov 2	
Snuff cutter or grater. John B. Partarieu, New York		
Ship building. Frederick Tudor, Boston	Nov 3	
	Dec 1	1,
Shingles. John Loomis, Geneva, New York	Dec 2	
Screws, machine for heading. Abel Stowell, Worcester, Mass		4, 1813
Stove and boiler. Gabriel N. Philips, Goshen, New York	Feb	ti, —
Stove. See Kitchen.		
	March	
Saw mills. Hiram Whitcomb, Cornwall, Connecticut	March !	2,
Sifting meal. Daniel Hedman, Brookhaven, New York	March 8	3,
	March 2	
Stoves for boiling. Henry Abbett, Philadelphia -	March 30),
	March 3	
Steam engines. James D. Russell, Washington, N. C.	April 10	. *
Spinning and roving machine. S. Comstock and Moses Pike,	p	,
Harrisburg, Pennsylvania	April 13	5. **
Screws, machine for cutting. Jacob Scott, Ramapo Cove, N.Y.	May 4	
Shearing machine, horizontal. T. Blanchard, Sutton, Mass.	May 4	
Shell granade and rocket. James Lloyd, Adams county, Penn.		
	May 11	
Shot and bullets, machine for. Peregrine Williamson, Balt.	May 12	
Salt, machine for boiling, &c. John J. Cabell, Lynchburg, Va.	May 28	
Steam engine. S. Briggs and Andrew Steel, Baton Rouge, Lou.	May 29	
Shingles, machine for making. Otis Paine, Foxboro', Mass.	June 18	, ~~
Spinning cotton. Luther Bissel, Justus Hinman, Luke C. Hin-		
man and Benoni Gains, Hartwick, New York -	June 19	
Still. John James Giraud, Baltimore	June 26	
Spoons. Jacob Perkins, Newburyport, Massachusetts -	June 29	
Saw mills. Luther Bissel, Hartwick, New York	July . 3	3, ~~
Spinning machine, improvement in. N. Foster, Fleming, Ken.	July 8	, 0
Stills. Charles F. Foster, York, Pennsylvania	July 12	,
Screws, machine for finishing heads of. Abel Stowell, Wor-	•	
cester, Massachusetts	July 15	-
Shot, tubulated cylinder. James M. Ludlum, New York -	Aug 3	
Still, wooden. John James Giraud, Baltimore	Aug 3	
Spinning wheels. Daniel Hurlbut, Aurelius, New York	Aug 4	
Ships, boats, &c. constructing. B. Connor, Portsmouth, N. H.	Aug 26	
Stills, setting. A. Gibbs, Lancaster, Peunsylvania	Aug 30	
Shingles, sawing. Willard Earl, Hubbardstown, Mass.		
Steam engine. S. H. Long and G. F. Hauto, Germantown, Pa.	Sept 3	
	Sept 3	•
Skins, splitting. William Bent, Boston	Sept 9	•
Shearing cloth, machine for. Silas Hils, Hudson, New York	Oct 22	,
Stocking loom. Eben Herrick, Stockbridge	Oct 22	,
Stone, machine for sawing, &c. S. B. Willard, Bloomfield, N.Y.	Nov 6	
Stove, spiral. Robert Roy, Warwick, New York	Nov 13	
Steel, made from card teeth, &c. E. Jenks, Colebrook, Conn.	Nov 13	,
Still, &c. condensing tub. J. Wheatley, Faquier county, Va.	Nov 13	,
Screws, machine for cutting. John Humes, Richmond, Va.	Dec 30	, ===
Sleigh shoes, steel plated. Salmon Hunt, Canaan, Connecticut	Dec 30	, *12

Screws, machine for making. Abner Burnham and Thomas S			
Barnum, Sharon, Connecticut	Dec 3		w :o
Steam engines. Francis B. Ogden, Essex county, New Jersey			***
Slates, machine for polishing. John Coleman, Baltimore	Dec 3		1014
Steelyards and scales. Zina Phinney, Greene county, N. Y. Shearing machine. E. Durrin, Wethersfield, Vermont	Jan Jan 2		
C 1. C TT'11' T T	Feb		
Steam boats. Daniel Dodd, Mendham, New Jersey	Feb		
Stove, eleven plate. Charles Postley, New York -	March		
Screws, cutting, &c. D. Stearns, Brattleboro', Windham, Vt.	March		es 40
Sawyer, expeditious. John H. Morrison, Boscowen, N. H.	March 1	18,	-
Spinning, family billy and jenny. E. Smith, Paris, N. Y.	March S		
Steam still, perpetual. J. J. Giraud, Baltimore -	March 2		-
Spinning wheel. H. Wright and O. Roberts, Bristol, Conn.	March 2		
Shearing cloth. I. Sanford, Providence, Rhode Island	March 2		-4
Steam tow boat, &c. John L. Sullivan, Boston	April	2,	Great
Salt, manufacturing. Thomas Hord, Caroline county, Va.	April April	ο,	
Stills. Ezra Talmage, Richmond, Virginia Steam engines, &c. John Dowers, jun. Philadelphia	April		er 60
Smoke driver. See House Warmer.	npin,	Ψ,	
Shoes, machine for cutting. Benjamin Miller, Philadelphia	May	9.	~+
Still and condenser. Ben. Hall, New Haven, Connecticut	May 1		
Stove, baking, boiling, &c. E. B. Coleman, New Haven, Conn.			**
Stove, family. Joseph Tuly, Frederick county, Virginia	May.		
Salt, apparatus for making. W. and J. D. Hawkins, Raleigh	,		
North Carolina	May 2		-
Scythes, manufacturing. Luther Dudley, Sutton, Mass.	May S		40
Screws, &c. manufacturing. Aaron Broad, Litchfield, Conn.	June		
Salt, making. John J. Cabell, Lynchburg, Virginia - Stair for bridge and ferry. David Dunham, New York	June l	'	
Saddle trees. Chauncey Stiles, jun. Philadelphia	June 2		
Spinning machine, portable. Burgiss Allison, Burlington, N. J			
Steam engines. Charles Reynolds, East Windsor, Conn.	July		,
Sulphurate acid, cement for ceilings. And. Scott, Newburn		,	
North Carolina	Aug :	15,	engo
Spoons, making. James Ridgeway, Groton, Massachusetts	Sept 2	22,	
Salt, manufacturing. Peter Sarchet, sen. Cincinnati, Ohio	Sept 2		
Suspenders. Martin Nelson, Philadelphia	Oct 1		est in
Shingles, sawing. Salmon Fuller, Indiana	Nov I		mes 1
Steam boats. Nicholas J. Roosevelt, New Jersey	Dec Dec		et e
Scythe, farmer's carriage. Theophilus Eaton - Scythe, circular. John and Adam Rhodes, Union township, N.Y.	Dec Dec	2,	→
Shearing machine. David Dewey, Poultney, Vermont	Dec	7,	**
Steam, or stove still. John Stone, jun. Worthington, Mass.	Dec	8,	ga 8-s
Steam boats, improvement in. Wm. Thornton, Washington	1	í	
Oitj, District of Columbia	2700,2	23,	1814
Saw mills. Elisha Morgan, Clinton county, New York	Jan 2	24,	1815
Stills. Robert Gillespie, Seneca, New York	Jan	· '	***
Sleigh shoes, cast iron. Sylvanus Tousley, Manlius, New Yor		~ '	
Screw cutters, circular. Joshua Witherle, Boston	Feb	9,	**
Still boiler and worm. Thomas Weston, Peacham, Vermont Shelling corn and threshing wheat. Zina Phinney, Cairo, N.	Feb 1	*	
Saw-mills. Henry Quin, Huntington, N. J.	Feb 2		
Spinner, family. John Brown, Providence, R. I.	Feb 2		~
Stop-cock. John Morris, New Haven, Conn.	March		**
Screws, machine for cutting and heading. John Mason -	March 3		,
Shears for shearing cloth. Wm. Stillman, Westerley, R. I.	April 1	15,	-
Stoves. Wm. T. James, Union Village, Washington, N. Y.	April 2		***
Stoves. Charles Postley, New York -	April 8	26,	6577

Steam engine. Borden Wilbor, Whitestown, New York	April 28,
Stages, improvement in the body of. J. Smith, Lancaster, Pa.	April 29,
Stoves. Aaron Lane	May 11,
Spindle for spinning. Asa Jillson, Dorchester, Massachusetts	May 27, -
Spruce beer, brewing. William Bezeau, Philadelphia -	June 13,
Steam engine. Samuel Morey, Boston	July 14,
Scale beams, &c. Allen Pollock, Boston	July 31,
Ship building. D. M. Randolph, Richmond, Virginia -	Aug 2,
Steam engine. Junia Curtis, Baltimore	Aug 3,
Shoemaker's bench. Joel Soper, Windsor, Connecticut	Aug 12,
Spinning machine. Sylvanus Baldwin, Boston	Aug 18,
Steam engine. Mathew Cluff, Norfolk, Virginia	Sept 1,
Steam stove. Erastus Warner	Sept 12,
Spinning wool. W. Ayres and J. Cochran, Durham, Vermont	Oct 6,
Screw wheel for propelling. James Widdefield, Philadelphia	Oct 11,
Saws, setting the teeth of. John Russell, Brooke, Virginia	Oct 14,
Saddles. John Bryan, Lexington, Kentucky	Oct 24,
Saw mill, elevating. Samuel Brewster, Middlesex, New Jersey	Oct 30,
Stove, economical. John Graham, New York	Nov 9,
Steelyards. Samuel Hills, Lincoln, Massachusetts -	Dec 27,
Saw mill, wind. Jesse Springer, Cape May, New Jersey	Dec 27,
Stove. Comfort Barney, Warren, Rhode Island -	Dec 27,
Saw mills. Thomas Cohoon, Washington City -	Jan 5, 1816
Stills. Joseph White, Baltimore	Jan 15,
Steam engines. William Shultz, New York	Jan 26,
Syphilis, cure of. Joseph Moser, Philadelphia -	Jan 26,
Salt, manufacturing of. Wm. J. Lewis	Feb 1,
Sock, Columbian. Joseph Mason, Cunningham, Massachusetts	
Spool frame. Elihu Robinson, Augusta, Massachusetts	March 6,
	March 14,
Steam engines. John Stephens, Hohoken, New Jersey	Manch 14
	March 14,
Sliders for steam engines. Ditto ditto	March 16,
Shelling corn, machine for. Jacob Fuller, Rockland, Va.	
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts	March 16,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut	March 16, March 19, April 4, April 11,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City	March 16, March 19, April 4, April 11, April 18,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer	March 16, March 19, April 4, April 11, April 18, April 25,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City	March 16, March 19, April 4, April 11, April 18, April 25,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City	March 16, March 19, April 4, April 11, April 18, April 25, April 26,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York	March 16, March 19, April 4, April 11, April 18, April 25, April 26, May 3,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey	March 16, March 19, April 4, April 11, April 18, April 25, April 26, May 3, May 12,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brook-	March 16, March 19, April 4, April 11, April 18, April 25, April 26, May 3, May 12,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York	March 16, March 19, April 4, April 11, April 18, April 25, April 26, May 3, May 12,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. II.	March 16, March 19, April 4, April 11, April 25, April 26, May 3, May 12, May 17, May 18,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. II. Sawing shingles. Oliver Merritt, Berkhamsted, Conn.	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. II. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore	March 16, March 19, April 4, April 11, April 25, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 22,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. II. Sawing shingles. Oliver Merritt, Berkhamsted, Conn.	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 18, May 22, May 22, May 22,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland	March 16, March 19, April 4, April 11, April 25, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 22,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 18, May 22, May 22, May 24, 1816 May 30,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina Steam, generating. Joseph Hawkins, New York	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 24, 1816
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina Steam, generating. Joseph Hawkins, New York Stills. Montgomery Stevens, New York	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 24, 1816 May 30, June 14, June 17,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina Steam, generating. Joseph Hawkins, New York Stills. Montgomery Stevens, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 24, 1816 May 30, June 14,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina Steam, generating. Joseph Hawkins, New York Stills. Montgomery Stevens, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Spooling, winding and bobbin machine. C. Flagg and O.	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 24, 1816 May 30, June 14, June 17, June 25,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina Steam, generating. Joseph Hawkins, New York Stills. Montgomery Stevens, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Spooling, winding and bobbin machine. C. Flagg and O. Wright, Hudson, New York	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 24, 1816 May 30, June 14, June 17, June 25, June 29,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina Steam, generating. Joseph Hawkins, New York Stills. Montgomery Stevens, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Spooling, winding and bobbin machine. C. Flagg and O. Wright, Hudson, New York Saw, radical. Samuel Fairlamb, Marietta, Ohio	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 24, 1816 May 30, June 14, June 17, June 25, June 29, July 5,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina Steam, generating. Joseph Hawkins, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Spooling, winding and bobbin machine. C. Flagg and O. Wright, Hudson, New York Saw, radical. Samuel Fairlamb, Marietta, Ohio Suspenders, buckle for. Orange Webb, New York	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 24, 1816 May 30, June 14, June 17, June 25, June 29,
Sliders for steam engines. Ditto ditto Shelling corn, machine for. Jacob Fuller, Rockland, Va. Salt boiling. Alexander Black, Barnstable, Massachusetts Spinning wheel. E. B. Sandford, Newton, Connecticut Steam, propelling boats by. Wm. Tatham, Washington City Shearing cloth. H. Osborn and Wm. L. Frazer Sugar, purifying and refining B. Edme Verjon, Washington City Stoves, cooking. Christ. Hoxie, Hudson, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Steam, extracting spirits of turpentine by. H. Kelley, Brooklyn, New York Spinning wool and cotton. Peter Paddleford, Lyman, N. H. Sawing shingles. Oliver Merritt, Berkhamsted, Conn. Spring saddle. Charles Klasson, Baltimore Shearing cloth, machine for. John D. Smith, Fredericktown, Maryland Stove. Eliakim Cory, Milton, North Carolina Steam, generating. Joseph Hawkins, New York Stills. Montgomery Stevens, New York Steam engine. Enoch Burt, Elizabethtown, New Jersey Spooling, winding and bobbin machine. C. Flagg and O. Wright, Hudson, New York Saw, radical. Samuel Fairlamb, Marietta, Ohio	March 16, March 19, April 4, April 11, April 18, April 26, May 3, May 12, May 17, May 18, May 22, May 22, May 24, 1816 May 30, June 14, June 17, June 25, June 29, July 5,

Spinning machine Zaccheus Wheeler, Richmond, N. H.	July 18, ~
Saw gates. Samuel Herrick, Clermont county, Ohio -	July 21,
Screw, cutting wood and metal. J. Andrews, Dinwiddie coun-	A.v. 13
ty, Virginia	Aug 11,
Steam engine. John Hulton, Somerset, Maine Stocking loom. Aaron Porter, Queensbury, New York	Aug 22, Aug 22,
Spinning cotton and wool, machine for. J. Sprinkle, Wythe, Vt.	Aug 23,
Stoves. Thomas and Isaac Power, Hudson, New York	Aug 31,
Stoves. Henry F. Leibenau, New York	Sept 7,
Suspenders. Joseph Barnett, Philadelphia	Sept 14,
Spinning and quilling machine. Jacob Richardson, Scipio, N.Y.	
Steam engine. Samuel Fairlamb, Marietta, Ohio -	Oct 24,
Spinning and reeling machine. Caleb Shelledeay and George	
M. Caslon, Shelbyville, Kentucky	Oct 24,
Salt works, plan of erecting. D. Thatcher, Tuckerton, N. J.	Oct 24,
Steam engine. James Rumsey, Kentucky	Nov 15,
Steam the machinery for. James Rumsey, Kentucky	Nov 15, "
Steam engines. Lawaru Rumsey, Kentucky	Nov 15,
Stoves, rarefied chimney. G. Rogers, Northampton, Mass.	Nov 18, Nov 19,
Scale beams. John Edwards, New York Stoves. Anthony B. Martin, Hagerstown, Maryland	Nov 26,
	Jan 17, 1817
Steam engines, rotary. Salt water, obtaining. Isaiah Jennings, New York D. and J. Ruffner, Kanawha, Virginia	Jan 18,
Straw cutting machine. E. Hotchkiss, Brattleboro', Vermont	Jan 18,
Scythe factory. Benjamin and John Tyler, Claremont, N H.	Feb 1, -
Stoves, cooking. A. Swain, Hudson, New York	Feb 1,
Steam engine for raising water. William Bailey, Nelson county,	
Kentucky	Feb 4,
Steam engine, rotary. Nathan Read, Boston	Feb 21,
Steam applied to propel carriages. B. Langdon, Whitehall, N.Y.	
	Feb 28,
	March 3,
	March 24,
	March 29,
Stove. Joseph P. Simpson, New York	April 5, April 5,
Saw mill. David and Minor Fountain, Eastern Shore, Md. Stoves. Ephraim Treadwell, Boston	April 5, April 26,
Spinning wheel. Timothy Cruttenden, Covington, New York	May 12,
Sash work, machine for striking all kinds of. J. Bliss, Somers,	
Connecticut	June 17, -
Slitting and sawing machine. J. Jacquith, Sherburn, Mass.	June 26,
Saw band or belt. Adam Stewart, Baltimore	July 5,
Sawing veneering, machine for. Do. do	July 5,
Screw machine. Phineas Dow and Daniel Treadwell, Boston	Aug 8,
Strew cutting machine. W. Ayres and H. Gay, Windsor, Vt.	Aug 13,
Steam engine. John Heavin, Maryland	Aug 27,
Sugar mill. Jean Baptiste Aveilhe, New York	Aug 28,
Steam as propelling power to mills. S. Briggs, New Orleans	May 28,
Steam engine: Israel J. Richardson, Geneva, New York	Oct 13,
Salt, manufacture of. Everard Hall, Princess Ann, Virginia	Nov 14, 1817
Steam boilers Royal Yeamans, Baltimore Stoves, retaining the heat of William Phoebus, New York	Nov 20,
Straw cutting machine. Arnold Brayton and Henry C. Green,	
Cheshire, Massachusetts	Dec 5,
Stove, or fire-place and oven. John Rice, Hartland, Vermont	Dec 6,
Stains, method of taking out. Aaron Hall, Boston -	Dec 31,
Saw mill, improvement on the. Daniel Collins, Genesee	e
county, New York	Jan 6, 1818
Straw cutting machine. Alpheus Bigelow, Weston, Mass.	Feh 13

Sand, machine for collecting. Rufus Elliot, Georgetown, D. C.	Feb	14,	
Steam engine, wheel regulator for the. John L. Sullivan, Bos.	Feb	28,	
Steam engine, supply chamber for the. John L. Sullivan, Bos.			W-dra
Steam engine, boiler for the. John L. Sullivan, Boston	Feb		
	March	,	gas 46+
	March		•-
Stoves. Burgess Allison; Burlington, New Jersey Steam engine, rotary. Beardsly Hendryx and Halstead Price,	April	10,	
Springfield, Otsego county, New York -	April	12	uA .
Stoves. Robert and John Mount, New York	April		
Straw cutting machine. S. A. Sherwood, Poughkeepsie, N. Y.	April		
Stove and cooking. John Adams, Hudson, New York -	April		
Spinning wheel. Z. T. Bradley, Great Barrington, Mass.	April		-
Steam engines. Joseph Eve, Augusta, Georgia	May		
Sweeping chimneys. Francis A. Everard, New York -	May	28,	90 to
Springs for saddles. Nathan Mixer, Keen, New Hampshire	May	28,	86.50
Shoemaker's bench. John Greenhold, Westminster, Frederick			
county, Maryland	June		
Submarine ploughing. J. Hendrick, Middlesex county, Mass.	June	•	
Spinning and roping machine. John Brown, Providence, R. I.	June	12,	
Sugar cane, machine for grinding. John Gotlieb Brethler,	Tuno	12	
New Orleans Stone, machine for sawing. John Sullivan Dwight, Boston	June June		
Salt, manufacturing by freezing. G. Munger, New Haven, Conn.	June		
Spring saddles. Samuel M. Leaming, Lexington, Kentucky	July		
Steam engine. William Church, Baltimore	July	11.	
Stove for cooking. James Lamb, Hartford, Connecticut	July		
Stoves, improvement in his patent. Aaron Lane, New York	Sept		
Sweeping chimney, machine for. Aaron Lane, New York	Sept	22,	1
Stove pipes, improvement in making. John Cudlip and George			
Price, Baltimore	Nov		
Sample box. George P. Oakly, Poughkeepsie, New York	Nov		
Steam engine, improvement on Morey's. J. L. Sullivan, Boston			
Sweeping chimneys. William Hall, New York "	Dec		
Sinking wells, &c. Tobias Ruffner, Kanawha, Virginia	Dec		
Spinning wheel. Henry Wilson, Ontario county, New York Spindle and bobbin for cotton. W. B. Leonard, Fishkill, N. Y.	Dec		
Shooting by steam. Samuel Morey, Orford, New Hampshire	Jan		1819
Stoves, by leading the flame through wire gauze Samuel Mo-	Jan	10,	
rey, Oxford, New Hampshire	Jan	20.	
Stirrups for saddle. Daniel Adams, Keene, Cheshire county,		,	
New Hampshire	Feb	13,	w to
Shovels for barns, &c. John Brower, Berks county, Penn.	Feb		
Steelyard. Jacob Bartholomew, Middlebury, Vermont -	Feb	27,	
Straw cutting machine. Giles Dayton, jun. Springfield, Mass. I	March	18,	
Seat saddles, elastic. W. Harper, Nashville, Tennessee	Apri	12,	~-
Spinning wheel head. J. Mudge and Milo Hatch, Cherburne,	4 11	71.0	
New York	April		er/on
Spring for carriages. George Norton Reynolds, Charleston	April		
Spinning frame. Paul Moody, Boston	May	0,	
Indiana	May	25	1819
Steam engine, rotary. Antoine Batley, New York	May		
Steam engine, rotary. Robert Thomas, Richmond county, N.C.	May		
Snuff, manufacturing. Thomas Baldwin, New Castle, Del.	June		
Saddles, improvement in. Peter Dixon, Philadelphia -	July		()
Spiral wheels for mills. Z. Hiatt, Wayne county, Indiana	Aug		
Sausage meat, machine for cutting. George B. Craft, Redstone,			
Fayette county, Pennsylvania	Oct	9,	

Ship's buttons, composition for. W. Russell, jun. New Bedford,		
Massachusetts	Nov 8	8
Shoeing sledges, &c. William Barton, New York	Dec 1	
Screw, Archimedean. James Cooper, Augusta, Virginia -	Dec 1	
Square, carpenter's. Silas Hawes, Bennington, Vermont	Dec 1	
Straw cutting machine. Lemuel Green, Green county, Geor.	Dec 2	1,
Steam engine, improvement in. Charles Lee, Ross county, Ohio	Jan 2	
Spruce beer, improvement in. John William, Cambridge, Mass	Feb 1	
Saddles, elastic seat. Peter H. Martin, Nashville, Tennessee	Feb 2	
Stove, cooking. Israel Keyes, Putney, Vermont -	Feb 2	3,
	Iarch	6,
Sugar, improvement in making. Henry Fry, Harrisburg, N.Y.	April	6,
Stoves, stills, and boilers, improvement in. John James Gi-	.,	
raud, Baltimore	April 1	9,
Stove for cooking. Nathan Winslow, Portland, Maine	May	
Straw bonnets, pressing. Eleazar Smith, Walpole, Mass.	July 1	5, 4
Spinning wheel, linen. Benjamin Simmons, Paris, New York	July 2	0,
Smut machine. James Gillespie, Middletown, Connecticut	Aug 2	
Stove, open circular Richard Berrian and Francis Class, N.Y.	Aug 3	0,
Shovel plough. John Balthorpe. Loudoun county, Virginia	Sept 2	
Sewer, mouth and stench trap. A. Ramsey, Philadelphia	Oct	3,
Smut machine. Daniel Pease, jun. Wingfield, New York	Oct 3	1,
Swinging frame for shoeing horses. Joseph Kirk, Weston, Vt.	Nov	8, /
Saddles, improvement in. Elihu Walker, Aurora, New York	Nov 1	6,
Sleighs, machinery for. Jacob Fisher, Kennebeck, Maine	Dec 3	0,
Steam, improvement in the application of. Aaron Niles Sabin,		~
Frankfort, Kentucky	Dec 3	0,
Spinning cotton and wool, machine for. John Brown, Pro-		,
vidence, Rhode Island	Jan 2	3, 1821
Steam engine, improvement in the vibratory. P. Davis, York,		1
Pennsylvania	Feb 1	7,
	Aarch	3,
Steam engines, improvement in the. Minus Ward, Columbia,		
	Aarch 2	3, 🟎 .
Sifting lime, &c. machine for. E. Blanc and B. H. B. Latrobe,		
	April 14	
	April 2	
Smutting or hulling machine. Stephen Cooke, Marcellus, N. Y.	Aug	7, -
Steam wheel, improvement in the. Amos Thayor, jun. Albany,		_
New York	Aug	
Sweeping chimneys. John W. Mcore, Washington, D. C.	Aug	8,
Smut machine, improvement in the. F. Woodward, Butter-		^
nuts, New York	Aug 1	0,
Sail cloth, improvement in manufacturing. James Richards,		
Paterson, New Jersey	Aug 10	
Spinner, vertical. John Brown, Providence, Rhode Island	Aug 1	1,
Saw mill, improvement in. John Bruff, Somerset county, Md.	Aug 1	
Saddles, improvement in. John G. Morris, New York	Aug 2	8,
Spinning wool, &c. improvement in the machine for. William	A 20	0
Bushnell and J. Altoffer, Harrisburg, Virginia	Aug 3	0,
Sector, improvement in the plane sliding. G. H. Thompson,	Dee	A
Boston		4,
Stoves, improvement in. John Tasker, Philadelphia		3,
Seeds, improvement in cleaning. David S. Buck, Hurley, N.Y.	Feb 1	
	March	•
	April 1	
Shelling corn, machine for. Chauncey Bulkley, Manchester, Vt. Steam boiler, cast iron. John R. Averill, Manchester. N. Y.	May 2	
Menti nonerioust iron. somi n. Arcini, manchester, ix. 1.	many &	, ,

Setting saw teeth, improvement in. Webb Hart, Camden, S.C. Scythes, improvement in. Ephraim Kimball, jun. Fitchbury,	Dec	7,	1821
Massachusetts Steam engine, rotary. John Lansing, jun. and A. Thayer, Al-	Jan	17,	1822
been Many Vork	Tom	10	
bany, New York	Jan		an ye
Straw cutting machine. Jonathan S. Eastman, Baltimore	Jan	29,	1000
Shoes, socks, &c mode of making. S. Norris and J. C. Wood,	110	00	- 4
Philadelphia	Jan	30,	
Scythes, mode of finishing. Charles M'Namara, Northbridge,	- 79		
Massachusetts	Jan		**
Spring sofa, bed, couch, settee, &c. S. Blair, New Haven, Conn.	Feb		**
Steam engine, improvement in the. Thomas Hatton, Phil.	Feb		
Stove, cooking. Philologus Holley, Red Hook, New York	March	1,	AU
Saddle-trees, machine for making. Reuben Fairchild and Eben			
	March	6,	**
Stove, improvement in the cooking. John J. Pierce, Green-	.		
field, Massachusetts	March	11,	an to
Spinning woollen yarn, improvement in. John Sharp, Whites-			
	March	13,	
Spring shuttle spindle, improvement in the. Samuel Cranston,		ĺ	
Cumberland, Rhode Island	March	20,	-£
Stove pipe, improvement in making. Wm. W. Weaver, Phil.	April	16,	- 12
Scraper, or team shovel. Elisha Case, Canton, Connecticut	April		
Saw mill, improvement in the. Thomas White, Chester dis-		,	· .
trict, South Carolina	April	27.	
Smut machine, &c. improvement in the. Jedediah Tallman,		- 1	
Oneida county, New York	May	8.	THE
Stove, improvement in the. James Barron, Norfolk, Virginia	May		-7
Stove, improvement in the. B Seymour and A. C. Bettis,		,	
Utica, New York	May	25,	~=
Splitting skins and pelts. William Bent, Philadelphia -	June		***
Stove for burning Leheigh coal. Robert M'Minn, Philadelphia	June		-
Spindle (trostle) for cotton. Charles Lewis and George Taylor,		1	
Poughkeepsie, New York	June	26,	
Steam expander. David M'Allister, Brookfield, Vermont	July	15,	-
Saddle-trees, improvement in. Anthony Null, Philadelphia	Aug		
Sugar, machine for breaking. James Mitchell, Philadelphia	Sept		~~
Sleigh shoes, improvement in: Seneca Pettee, Salisbury, Conn.	Oct		
Seat, elastic spring carriage. Jona. Nichols, Providence, R. I.	Oct		
Stills, improvement in. Baltazar J Kallenback, Philadelphia	Oct		
Stoves for burning Leheigh coal, &c. Philip S. Mingle, Phil.	Oct		
Saws, instrument for setting. Joseph Beach, Middletown, Conn.		28,	
Steel, improvement in the art of making cast and wrought. Ho-		,	•
ratio G. Spafford, Albany, New York	Oct	30.	
Stoves, improvement in the foot. Julia Plantou, Philadelphia	Nov		
Sawsetter, improvement in the. David C. Jordan, New York	Dec	2.	eu 20
Salt, improvement in the mode of making. Cadwallader D.		.~,	
Colden, New York	Dec	14.	
Sawset, improvement in the. Rufus Grandy, New York	Dec	"	
Shingles, machine for making. Willard Earl, Boston			
Stills, worms for. Chester Cook, Paris, New York			1823
Stone, machine for sawing and smoothing. Nat. Holmes, Barn-		,	2040
stable, Massachusetts		24,	
Scythes, mode of finishing. Charles M'Namara, Northbridge		,	
Massachusetts		31,	ca th
Saddle-tree, improvement in the. Peter Harry, Harrisonburgh		,	
Virginia		1,	70
Scraping and cleaning chimneys. Mathew Benson, Ohio			1823
, , , , , , , , , , , , , , , , , , , ,	J	,	-

Saddle-tree, improvement in the. Christopher Kurtz, Penn. Sick, &c machine for raising into various positions the. Jos.	May	25,	90
C. Jenckes, Providence, Rhode Island	May	29.	~*.
Seat for wagons, chairs, &c. Sherman Blair, New Haven, Conn.	June	20	-
Steam engine, improvement in the rotary. James Thompson,	44	40,	
Pittsburg, Pennsylvania	July	16	-
Spring cushions, beds, &c. Sherman Blair, New Haven, Conn.	Aug		
Spring saddle-tree. Joseph and William Dinwiddie, Camp-	11.00	3,	
bell county, Virginia	Aug	Q	
Steam engine, converting a rectilineal into a rotary motion.	4148	٠,	-
John Y. Savage, Raleigh, North Carolina -	Aug	O	
Steam carriage, construction of the. Lewis Bigelow, Mass.	Aug		
Stove for burning stone coal. George J. Fougeray, Phil.	Sept		
Stove, improvement in the common. Louis Goujon, Phil.	Sept	00	
Spiral wheel, improvement in the. Abner Vansant, Jefferson	Sept.	44,	***
county Missouri	Cont (00	
county, Missouri Spinning cotton, improvement in. William Bryant, Mill Creek,	Sept !	29,	Areas
	Camb C	20	
Tennessee	Sept 3	ου,	
Steel, mode of converting iron into. Eleazar L. Losey, New	MT	20	
Brunswick, New Jersey Shears, with curved edges. Samuel Fry, New York	Nov 2	20,	-
Strong autting machine improvement in John Ochorn Pland-	1101 4	.,	
Straw cutting machine, improvement in. John Osborn, Blandford, Massachusetts	Dog	c	
Stove for cooking, improvement in the. John Conant, Bran-	Dec	υ,	7-
don, Vermont	Dec 1	ข้	
Shingles, machine for manufacturing. Manasseh Andrews,	Dec 1	ιυ,	
	Dec 2	eq.	
Stove, improvement in the. J. Taleott and J. M'Culloch, Smyr-	DUCZ	, ,	
na, New Jersey	Jan 2	6.	1894
Spinning, improvement in wool. Gilbert Brewster, Norwich,		۲,	
	Feb 2	7.	
Connecticut Spinning wheel, improvement in the. Charles P. Schaffle, Lewisburg, Pennsylvania		1	
isburg, Pennsylvania	Feb 2	з.	-
Salt, improvement in making fine and coarse. Joseph P. Ros-		•	
siter, Salina, New York M	arch	2,	
	arch 13		
Spindle for the throstle. Gilbert Brewster, Norwich, Conn. M	arch 1	3,	*-
Spinning wool, improvement in. Ditto ditto - M	arch 1	3,	
Spring saddle, improvement in. Nathan W. Conklin, Jamaica,	,		
New York M	arch 2	7,	
	April		-
	April 1		
	April 2	3,	
Scaffolds, machine for raising and supporting. Henry M. Ni-			
chols, Burlington, Vermont	pril 24	1,	40
Saw-mill saw, machine for filing. Solomon Morse, Sempro-			
	April 24	ł, ·	10 M
Steam engine, improvement in the rotary. Royal N. Powers,	" 00		
	pril 29		- 44
	pril 30	, -	Pl Co
Steam of high temperature, generating. John Babcock, Ports-	Mar 1		
	-	, -	
		, "	
Safety-ark. William Hollins, Baltimore Steam engine, improvement in the. Henry Lainheart, jun.	may 4	, "	
	May 6		
New Orleans Straw, machine for cutting. Robert J. Steele, Richmond coun-		3	_
ty, North Carolina I			
ty. North Carolina	May 24	. 41	7

Spinning machinery, cotton. William Haworth, Providence			
township, Pennsylvania	June	2,	1824
Spinning, in the carriage of the mule for. W. Haworth, Pro-			
vidence township, Pennsylvania	June	2,	
Steam, mode of generating. David B. Lee, Philadelphia -	June	9,	
Straw cutting machine. Major M'Donald, Topsham, Mass.	June		
Side saddle, improvement in the double. Hugh M. Rose, Lex-			
ington, Kentucky	June	19	
Sliding joint for settees, &c. Isaac Jennings, New York	June		
Spinner, horizontal. C. Merrill, B. Batchellor and S. King,		20,	- 1
jun. Lowville, Lewis county, New York	July	2	
Steam engine, rotary. Anthony Cooley, Le Roy, New York	July		
Smut machine, &c. Phineas Pettis, Tallmadge, Ohio	Aug	12,	
Spinning and roping machine. Z. Knox and Willis Hoskins,		10	
Lowville, Lewis county, New York	Aug		
Spinning, domestic machine for. Elias Wood, Lowville, N. Y.		- 3,	
Sausage stuffing machine. Andrew Glendening, Loudoun			
county, Virginia	Sept	9,	-
Saw plates, manner of making. James Cloud, Chester, Penn.	Sept	8,	
Steam engines producing steam for. Joseph Buchanan, Lex-			
ington, Kentucky	Sept	13,	
Steam, mode of generating and applying. Stephen T. Conn,		- 1	
Washington county, Virginia	Sept	27.	
Selvage, double stitched. J. A. Wadsworth and E. Wadsworth,		~ · ,	
Portsmouth, Rhode Island	Oct	5	
Spinner, wool and cotton. Francis Price, New York	Oct		
Spinning wool, machine for. Laffered Totten, Schoharie, N. Y.	Nov	10,	•
Steam engine, improvement in the rotary. John Gilbert, Le	3.7		
Roy, New York	Nov	17,	
Steam, drying floors for kilns, &c. George G. Moore, N. Y.	Dec	4,	
Steam and gas engine, improvement in the Maximin Iznard,			
New York	Dec	11,	
Steam, mode of generating. B. F. Joslin, Schenectady, N. Y.	Dec	16,	
Salt, mode of manufacturing. Peter Cooper, New York	Dec	23,	
Shelling, riddling and fanning. R. Humphrey, Harpersfield, N.Y.	Dec	24,	
Spinning machine, improvement in the. H. Hunt and C. Bra-			
dish, Lowville, New York	Dec	24.	ga.or
Stave dresser and cross cutting jointer. John R. Averille, Man-		,	
chester, New York	Dec	29	
Salt, improvement in the manufacture of. Daniel Garrard,	Doo	~0,	
Clay county, Kentucky	Dec	98	
Spinning wool, improvement in. John Griggs, jun. Ashford,	Dec	ΑΟ,	
Connecticut	Dec	20	
Spinning, improvement in. Sidney Whiting, Wrentham, Mass.		,	601.010
	Dec	51,	
Spiral spring latch, improvement in. Abraham Blauvelt, New	77.1	^	100 -
Brunswick, New Jersey	Feb		1825
Shovels and spades, improvement in. James Wood, Phil.	Feb		
Shot, screening. John W. Honey, Herculaneum, Missouri	Feb	10,	-
Stove pipe, manufacturing. John Colby, Salsbury, Mass.	Feb :	16,	••
	March	3,	
Steam engine, improvement in the. Isaiah Jennings, N.Y.	March	15,	= 0
Springs, making transverse. N. A. Stoddard, Pawlett, Vt.	April	2,	
Spinning wool, improvement in the machine for. S. Slater,	•	1	
Middletown, Connecticut	April	4	# S
Slitting machine. Jesse Reed, Marshfield, Plymouth, Mass.	April		78.00
School rooms, buildings for. S. W. Taylor, and J. W. Martin,	Thu.	w .,	
Lowville, New York	Annil	16	
	April		tio de
Spinning machine. Richard Woolsey, Kortright, New York	May 1		***
Stoves. Thomas Wentworth, Oswego, New York	May	18,	-
Spinner, improvement on Brown's vertical. J. R. Wheeler			
and J. B. Wheeler, Kingsbury, New York	May	26	201-
19			

	Stove or grate for Leheigh and other coals. John Lovatt, Phil. Spirits, rectifying by steam. Jonathan Shaw, Southport, N. Y.	June :		1825
	Salt, manufacturing by steam. Benjamin Barlow, Geddes, N.Y. Spinning wool and cotton A. S. Wiltse and J. Farnham, the	June		••
	former of Carolina, the latter of Tioga, New York	June	28.	-
	Salt, making. William Barker, Smithfield, Rhode Island	July		
	Steam boat guard or fender. E. C. Genet, New York	Sept		
	Salt, making. Calvin Guiteau, Geddes, New York -	Sept		-
	Saw, compound rotary. Adam Stewart, Boston, Mass.	Sept	29,	
	Steam engine. William Avery and H. Scoville, Pompey, N. Y.	Sept.	30,	
	Saddles. Thomas G. Prettyman Alexandria, D. C.	Sept		
	Saddles. Lacy White, New York	Sept		
	Saw mills. Ebenezer Whiting, Ithaca, New York - Steam power, mode of applying direct. Robert Dennis, Rah-	Nov	_,⊥,	
	way, New Jersey	Nov	3.	
	Springs for carriages. Hazard Knowles, Colchester, Conn.	Nov		
	Straw, machine for cutting. Benjamin A. Hall and Chauncey	Minn		
	Hall, Middletown, Connecticut Steam engine, rotary. J. R. Averill and F. Hoard, Rochester,	Nov	142	
	New York	Nov	19	
	Shingles, machine for sawing. Jonathan Culver, Norfolk, N.Y.	Nov		
	Steam engine, elementary. Timothy Beach, Deer creek, Ohio			
	Safety valve, the alarm or. William S. Gillett, Lower Three	1101	10,	
	Runs, South Carolina	Nov	16,	•
	Steam enginery. John A. Wadsworth, Portsmouth, R. I.	Nov		
	Saw mill: Isaac Ryon, Bridgewater, Massachusetts	Nov	24,	
	Steam, by the use of anthracite in generating. Mahlon Betts,		'	
	Wilmington, Delaware	Nov		
	Shelling machine. Christopher Hoxie, Hudson, New York	Dec	*	
	Screws, making wooden square. James Lynch, Pulaski, Tenn.	Dec		
	Shingle mill. Ephraim Parker, Fitzwilliam, New Hampshire	Dec	17,	
	Steam, improvement in the application of Michael Musselman, Phelps, New York	Dec	29	-
	Spinner, horizontal. J. S. and B. J. Billings, Moreau, N. Y.			1826
	Sawing boards, machine for. Wm. Kendall, jun. Waterville, Me.	Jan		
	Sawing shingles, machine for. Willard Foster, Oswego, N. Y.	Jan		
	Saw mill Israel Johnson, jun. Villenovia, New York -	Feb		
	Steam pump. George W. Long, Old Point Comfort, Virginia	Feb	16,	m-4
	Steam still. James G. Folcy, Harrisburg, Pennsylvania -	Feb		
	Spinning wool and cotton. J.R. and J.B. Wheeler, Galway, N.Y.			
	Steam engine for boats. George Denning, Niagara, New York I	March	10,	-
	Stumps and stones, raising. Ahiezer H. Whitney, Bowdoin-	March	15	
	,	March	•	
	Steering wheel for vessels. J. M. Brown, Boston, Mass.	March		
		March		
	Steam, wind and water combined with. Isaac Garretson,	~		
		March	25,	
	Slitting and rolling iron mills. Timothy Allen, Plymouth, Mass.	April	5,	
	Sawing shingles, machinery for. Oliver Goddard, Bridgeton, Me.	April	6,	77
	Saw for making fret work for the backs of chairs. Ed. and Ch.		00	
	Booth, Southbury, Connecticut	April	22,	
	Splicing cotton and woollen rolls. Gardner Barton, jun. Shafts-	A muil	ຄຄ	
	bury, Vermont	April	24,	
	Steering vessels, machinery for. S. G. Clarke and G. Stimpson, Charleston, Massachusetts	April	26	
	Steam boats for shallow water. Benjamin Phillips, N. Y.	April		
	Spinner, horizontal. B. Hunt and S. Wheelock, Knox, N. Y.	May	-	
	Spinning jenny. James Mathews, Schenectady, New York	May		
•	Sponges for artillery. John Gethen, Philadelphia, Penn.	May		

Spinning machine, family. J. Watt, F. A. Priest and G. Free- born, Jefferson county, Ohio	May 20,	1826
Steam packed rotary steam engine. S. Fairlanb and D. Bruce, jun. New York	May 25,	
Springs to the seat of a wagon. Walter Janes, Ashford, Wind-	,	
ham county, Connecticut Spinning wool, tow and cotton, machine for. J. Corrill and W.	June 6,	
P. Rogers, Harpersfield, Ohio Shaving and smoothing wood, machine for. Abraham Brown	June 15,	
son, Lockport, New York Spinning flax and hemp, machine for. Wm. Hunt and Wm.	June 21,	
Hoskins, Martinsburgh, New York	June 22,	
Sawing wood, slitting boards, &c. Barnabus Ruggles, Poultney, New York	June 29,	-
Steam generator, Franklin duplex. John M'Curdy, Plymouth, England	July 1,	_
Steering wheel for vessels. E. S. Coffin, Boston, Mass. Steering vessels, apparatus for. R. Kinsbury and E. Rowse,	July 10,	
Bath, Maine Salt, mode of manufacturing. Stephen T. Conn, Georgetown,	July 10,	
District of Columbia	Tule 10	
	July 12,	
Steam generator. Stephen T. Conn, Georgetown, D. C.	July 20,	
Steam saw mill. Reuben Nichols, New Orleans	July 21,	
Spinning wool and cotton. Joseph Hathaway, Poultney, N. Y.	July 24,	
Steam, application to furnaces. Cotton Foss, Madison town-		
ship, Ohio	Aug 2,	
Steam, plan for working twice over. Joseph H. Laning, Nashville, Tennessee	Aug 12,	••
Sawing circular timber. Benj. Overman, Greenboro', N. C.	Aug 15,	regions
Sains twine fro mode of laving Los Cloubson Politimano Md		
Seine twine, &c. mode of laying. Jos. Clarkson, Baltimore, Md.	Aug 16,	~~
Spools or trussels, bobbins, improvement in. T. Van Riper,	1 10	
Paterson, New Jersey	Aug 16,	
Steam enginery, improvement in. Joseph Eve, London, England	Aug 16,	
Steam washer, for cleansing clothes. William Burton, jun. Ans-		
ville, New York	Aug 16,	-
Suspenders, improvement in. Benjamin Wilse, Utica, N. Y.	Aug 19,	**
Saw setting, improvement in the mode. Joseph K. Schreiner,		
Philadelphia	Aug 19,	
Spinning and roping cotton and wool. John R. and Joseph B.	4 . 00	
Wheeler, Galway, New York	Aug 28,	
Stock, jubilee. W. J. Cantelo and R. M. Kerrison, New York	Aug 30,	
Singeing or dressing cloth. A Robeson, New Bedford, Mass.	Sept 8,	
Serew boot tree. George Nichol, Madison C. H., Virginia Stone ware, improvement in burning. Sanford S. Perry, Troy,	Sept 8,	
New York	Sept 12,	
Saw mill, improvement in the horse. Solomon R. Johnson, N.Y.	Oct 25,	
Steam engine, improvement in the. Elisha Bigeiow, Baltimore Steam engine, improvement in the rotary. Elijah H. Reid,	Nov 6,	•••
Lancaster, Kentucky	Nov 10,	-
Steam generator. Dan. Phelps, Bath, Steuben county, N. Y.	Nov 14,	
Spinning, machine for. Joseph Woodhull, Chester, N. Y. Steam engine, double atmospheric. William Willis, Charles-	Nov 14,	
ton, South Carolina	Nov 14,	
Spinning wool, &c. machine for. Lafford Totten, Schoharie, N.Y.	Nov 22,	
Saddle tree, improvement in making. George Wilkes, Fredo-	·	
nia, Indiana	Nov 22,	
chester, New York	Nov 27,	
Steam saw mill, locomotive. W. G. Berry and J. T. Osborn,	1101 21,	_
Cincinnati	Nov 26,	
Spoons and forks, in the manufacture of. Wm. Gale, N. Y.	Dec 7.	

Spinning wool and cotton, machine for. Seth Boyden, Fox-	1.2
borough, Massachusetts Dec 7,	1826
Saw, circular reacting. William Avery, Cazenovia, New York Dec 8,	
Sawing veneers, mill for. John P. Allen, Manchester, Mass. Dec 8,	
Steam, mode of preventing accident from. John J. Giraud, Balt. Dec 12,	
Slate dresser, improvement in the. J M. Porter and P. H.	•
Mattes, Easton, Pennsylvania Dec 22,	
Stills, improvement in the construction of. Edmund Capen, Bos. Jan 17,	
Steam, improvement in the mode of generating. Levi Silli-	1021
man Albany Work Vork	. /
man, Albany, New York Jan 19,	
Stirrup, improvement in the. Daniel Powles, Baltimore Jan 26,	
Straw cutting machine, in the. Thomas Benbow, Guilford	
county, North Carolina Feb 6,	W-41
Salt, improvement in the mode of making. Benajah Byington,	' '
Salina, New York Feb 21,	
Ships and vessels, mode of constructing. Thomas W. Bake-	
well, Cincinnati, Ohio Feb 21	
Suspenders, in the manufacture of. Abm. L. Van Horne, Phil. Feb 22,	-
Sofas, or portable bedsteads. Chester Johnson, Albany, N. Y. Feb 24,	
Shovels, improvement in making. Oliver Ames, Easton, Bristol	
county, Massachusetts March 5	
Stone, mode of making artificial. Louis Matthey, Brooklyn,	
New York March 7,	-
Straw cutting machine, &c. Calvin Chamberlin, America, N.Y. March 15,	
Stoves, improvement in the domestic cooking. David Wester-	
field, New York March 24	Mar.
Stoves, improvement in the domestic cooking. Joseph R. Page,	
Philadelphia March 24	
	, ==
Shingles, improvement in manufacturing. Paul Hawes, Lock-	
port, New York March 30	,
Spinning machine, improvement in the. Nathaniel Reminton,	1
Geneva, New York April 21	,
Steam engine, improvement in the. George Fleming, Gooch-	
land C. H. Virginia April 24	
Scraper or steam shovel, improvement in the. G. Davis and J.	
Price, Lockport, New York May 12	
Steam engine, improvement in. E. A. Lester, Boston, Mass. May 14	
Stocks, improvement in. Joseph Towson, Baltimore - May 14.	
Steam power, employment of heated air to: Minus Ward, Balt. May 15,	* -i
Stoves, improvement being in funnel. Hiram Wales, Randolph,	
Massachusetts May 18	,
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${f T}$	
Thrashing of grain and corn. Samuel Mullikin, Philadelphia March 11,	1791
Thrashing of wheat, &c. Wm. Thomson, Richmond, Va. Aug 2	
Thread, spinning and twisting. Obad. Herbert, Mount Pleasant	,
county, New Jersey Jan 28,	1792
Tobacco manufacturing. C. Batterman and J. Caldwell, Al-	
bany, New York Jan 26,	1793
Tallow lamp. See Lump.	1100
Thrashing of grain. William Hodgson, Virginia - April 28.	1704
Thrashing machine. James Wardrop, Ampthill, Virginia Nov 5	
Teeth, improvement in extracting. Thomas Bruff - July 1,	
Tobacco, improvement in cutting. Apollos Kinsley - Aug 12.	
Thrashing grain, improvement in. Richard R. Elliot - Nov 16,	
Tide, regulation of the other spiral wheel. John Martin April 27, Threships wheat for machine for Thomas C. Montin	
Thrashing wheat, &c. machine for. Thomas C. Martin June 2.	
Tobacco, machine for cutting. Peter Lorillard - June 28,	1900
Telegraph. Jonathan Grout, jun. Belcherstown, Mass. Oct 24, Tournequet axle. Joseph Strong - Jan 29,	

Time piece, improvement in. Simon Willard	Feb	8,	1802
Thrashing and cleaning wheat, improved machine for. Eze-		Í	
kiel Miller	July	19,	
Trigonometrical quadrant, improvement in. James Templeton		17,	
Tide power, obtained from its rising and falling. John Staples,			•
Flushing, Long Island, New York			
	March		
Thrashing machine. Jedediah T. Turner -	Oct	19,	
Twilling machine for pricking leather for cards. Phiney Earl,			
Leicester, Massachusetts	Dec		
Thrashing and cleaning grain, machine for. Thomas Barnet	Feb	21,	1804
Twisting mill. See Spinning.			
Tow for paper, machine for preparing. Abraham Frost	March	19,	
Tablets, composition for. Amos D. Allen	May	10,	
Thimbles, improvement in making. A. Spencer, New London,			
Connecticut	June	8,	
Thrashing machine, improvement in. James Deneale, Prince			
·William county, Virginia	Nov	20,	
Transporting carriages See Carriages.			
Tin ware, mode of manufacturing. B. Langdon, St. Albans, Vt.	May	4,	1805
Tiles, brick, &c. apparatus for making. William Hodgson,			
Richmond, Virginia	May	10,	
Types, machine for casting. William Wing, Hartford, Conn.	Aug		
Tub mills. Charles M'Lean and Solomon Loomis -	Sept		
Tow, machine for preparing and hackling. James Tatterton,	•	′	
Southampton, Long Island	Dec	7.	
Tansey. See Essence.		,	
	March	8.	1806
Transverse sleigh. Levi Rogers, Berwick, Massachusetts			1807
Truss, accommodating bolted for ruptures. John Beath, Boston	Feb		
Tilting wagons. A. Hobart, Braintree, Massachusetts	Feb		
Trip hammer, with a perpendicular handle. Joel Foy, jun.		,	
Middlesex, Massachusetts	Feb	25	
Thimbles for the sails of ships. I. Jennings, New York	Nov		
Thrashing machine. Benjamin B. Bernard, Virginia -	Nov		
Thrashing and cleaning grain. Simon Willard, jun. Hudson,		υ,	
New York	Nov	30	
	March		
Tanning. Samuel Parker. Bellerica, Massachusetts -	July		
Tub mill, rolling. Samuel Bartlett, East Windsor, Conn.	July		
Tailors' bench. William Burtis, New Brunswick, N. J.	Oct		
Thrashing and winnowing machine. L. Hock, Frederick county,		υ,	
Maryland		15	1809
Thrashing machine. Robert Patton, Columbia, Pennsylvania	Feb		
Tebacco, mode of curing. John Robinson, Charlotte, Virginia	Feb		
Thrashing machine. Samuel Condon, New Hartford, Conn.	March		
Telegraph. William Schultz, Baltimore			
Tewel. See Water back.	June	14,	•
Trigonometer or trigon. William Chamberlin -	June	98	
	July		/
Truss, spiral. Philip A. De Savignhac, New York			
Truss for ruptures. J Cerneau, New York	Aug	11,	
Twisting (rames. See Delaware.	Oct	12	
Table bureau, dressing. Nathaniel Beary, Boston			
Trip hammer. John Smith, Otsego, New York	Oct		
Thrashing and cleaning grain. Joseph Coppinger, Baltimore	Oct		
Thrashing machine. J. Meriwether Syme, Richmond -	Nov		
Thrashing machine. Asa Cady, Florida, New York	Dec	_ ′	1910
Trip hammer. Ezra Oshorn, Berkshire, Massachusetts	_		1810
Thrashing machine. Joseph Comfort, Bucks, Pennsylvania	Jan		
Thrashing machine John Comfort, Bucks, Pennsylvania Thrashing machine Joseph Beach Northfield Massachusetts	Jan		
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	Thrashing Machine. Isaiah Jennings, Brookfield, New York	March	30,	1810
	Tubes for aqueducts, earthen. James Ramsay, Burke, Vt.	April		
	Trip hammer. Elisha Downer, Duceyter	April		
	Turnpike gate. Jeremiah Brainard, Canaan, New York	April		
	Trip hammer. Oliver Ames, Plymouth, Massachusetts	April		
	Tobacco, mode of manufacturing. P. Lorillard, New York	April	25,	-
	Tenons, machine for cutting. E. Bashford and E. Johnson, Livermore, Massachusetts		ດາ	
	vermore, Massachusetts Tide mill. John P. Swain and Jacob Skinner, Roxbury, Mass.	April		
	Trip hammer: Joseph Hines, Providence, Rhode Island	May June		
	Tanning hides. Ed. Seter, Delaware county, Pennsylvania	Aug		
	Thrashing and fanning, machine for. Ezekiel Miller and John		, ,	
	Anderson, Westmoreland, Oneida, New York	Aug	15.	-
	Tan bark, machine for cutting. C. Griswold and Hosea E. Pot-	. (,	
	ter, Otsego, New York	Nov	20,	-
	Tanning, heating water for. A. Henderson, Great Barrington,	1	,	
	Massachusetts	Nov	24,	-
	Thrashing machine. Daniel C. Arnold, Baltimore	Dec	15,	
	Tanning leather. Nath. Burley, Stafford, New Hampshire	Jan	24,	1811
	Type mould, Arch. Binny, Philadelphia	Jan	29,	
	Types, mode of smoothing, &c. Arch. Binny, Philadelphia	Feb	4,	
	Thimbles, making rims for, &c. Stephen Chandler, New York	Feb	4,	
		Feb		
		March	'	/
	Thrashing machine. R. C. Van Hauton, New York	March	20,	
	Tanning leather. Joseph Barker, Deerfield, Oneida county, New York	April	10	
	Tanning leather. William Hollingsworth, Elkton, Maryland	July		
	Truss, double spring angular. Theodore Hart, New York	Aug		
	Tanning. Alexander H. Avery, Bennington, Vermont	Sept		
	Trip hammer. Joseph Beal, Ontario, New York	Oct		
		Jan		
	Thrashing machine. Benjamin S. Hort, Georgetown, S. C.	Feb		
	Thrashing machine. Wm. Richards, Culpeper county, Va	March	2,	
	Thrashing machine. Joseph Goulding, Bangor, Massachusetts	March	19,	`
	Tanning. Samuel Currie, Philadelphia	March	28,	
	Tobacco spinning, &c. J. Vanderpoole and J. Eagles, Newark,			
	New Jersey	April	S,	
	Tanning. C. Luther and James Smith, assigned to Daniel		-	
	Renner, Georgetown, D. C.	May		and and
	Trip hammer. Stephen Morrill, Redfield, Massachusetts	Sept :	10	
	Tanning. William Edwards, Northampton, Mass: chusetts Thrashing machine. T. Judson and J. Hotchkiss, Woodbury,	Oct	13,	_
	Connecticut	Nov	27	
	Thrashing machine. Samuel Skiff, Sharon, Connecticut	Dec	5.	
	Thrashing machine. John Houpt, jun. Backs county, Penn.	Dec		l
	Tanning soal leather. W. Edwards, Northampton, Mass.	Dec		
		March		
	Timber, machine for cutting. David Cram, Clarksburg, Va.	April		
	Tanning in cold weather, &c. Caleb Atwater, Genoa, N. Y.	June		
	Throstle for spinning wool, &c. S. Shalleross, New York	Jan ?	26,	1814
	Teazling cloth, substitute for. Isaac Sandford, Providence, R.I.			
	Torpedo. Ebenezer Ford, Baltimore	April :		
	Tin plates. David Noble, Philadelphia	May		
	Types, moulds for casting. A. Binney, Philadelphia	May :		
	Table for the use of ships. G. Patrick, Wilkesbarre, Penn.	Nov Ech 1		
	Tin plates. Aaron Burk, New York	Feb 1		1815
		March	_ ′	
	Timber, preserving under water. George Lovett, New York Thrashing machine. Thomas Warner, Genesee, New York	April May 1	1,	a-10
	Tenons, machine for cutting. J. Reynolds, Dutchess county, N.Y.			
		o will k		

Trip hammer. Urber Palmer, Spencer, New York	July 31,	1815
Tops, fall. John Eberts, Philadelphia	Sept 8,	
Toothach, machine for steaming. D. Merritt and S. D. Rogers, New York	Dec 27,	
Trees, preventing the canker worm in. Jonas Kendall, Leo-	200,	
minster, Massachusetts	Jan 4,	1816
Tenters or temples for weavers. D. A. Smith, Townsend, Mass.	Feb 23,	-
Types, casting moveable. G. Webster, New York	Feb 28,	
Tanning. William Edwards, Northampton, Massachusetts	April 2,	-
Thrashing machine. E. Hotchkiss, Brattleboro', Vermont	April 8,	***
Tortoise shell, stamping on. J. H. Derby, Worcester, Mass.	April 30,	
Tub winnowing mill. Moses Elliot, Concord, New Hampshire Tacks, machine for making. Jesse Reed, Hanover, Mass.	May 18,	-
Thimbles, rims for. Stephen Chandler, New York	Sept 20,	
Tanning. Bradford A. Potter, Manlius, New York	Sept 26,	
Types, ornamenting, &c. with. F. Bailey, Philadelphia	Oct 9,	
Tinder box. Isra Ives, Farrington, Connecticut -	Oct 35,	
Tow boats. John S. Sullivan, Boston	Dec 4,	
Type moulds. George B. Lothian, New York	Dec 18,	
Thrashing machine. Nathan Reed, Boston	Feb 22,	1817
Teazling cloth, machine for. J. Olney, Westmoreland, Oneida	N.F. 1 00	1
	March 29,	
Thrashing machine. T. Cohoon and W. Elliot, Washington	April 12,	
Trusses for runtumes Area C. Hall Hise New York	May 16, July 17,	
Trusses for ruptures. Amos G. Hall, Utica, New York Trusses for ruptures. Abel Blanchard, Pembroke, N. H.	May 17,	
Thrashing machine. Silas Smith, Albany, New York -	Aug 28,	
Tacks and brads, machine for. Samuel Rogers and T. Blan-	1146 20,	
chard, Boston	Oct 3,	W-10
Teeth, setting artificial. Wilkinson R. Eagleson, Baltimore	Oct 4,	
Toothache, remedy for the. Joseph Utley, Hartford, Conn.	Nov 5,	
Thrashing machine. Nathan Read, Belfast, District of Maine	Dec 23,	
Thrashing machine. Nathan Read, Belfast, District of Maine	Feb 18,	1818
Thrashing machine. T. Beatty and M. Shanks, Martinsburg, Va.		
	March 6,	****
Tubes, machine for drawing metallic. C. Eastman, Hillsboro',	1 110	
New Hampshire	April 16,	
Temples, weavers'. John Waterman, Rhode Island - Tachygraphy, or the flying pen. L. A. M. Sprangh, N. Y.	May 28, June 29,	
Thrashing machine, improvement in the. Chester Bullard,	June 23,	
Norfolk, Massachusetts	Dec 16,	-
Tanning, improvement in. James Batcheldor, Graston, N. H.	Dec 22,	
Thrashing machine. Thomas Mayfield, Baltimore -	Dec 23,	
Twine, machine for tarring and spooling. Israel Decker, Bos.	April 31,	
Thrashing machine. Daniel Young, Piermont, New Hampshire	April 17,	
Tin ware, machine for making. S. Peck, Hartford, Conn.	April 23,	
Tobacco press, improvement in the. E. Brown, Richmond, Va.	April 30,	
Tanning, hemlock, &c. used in. John Lansing, jun. Albany, N.Y.		
Trusses for ruptures. Benjamin Strahan, Philadelphia -	June 23,	
Turning gun stocks, &c. machine for. T. Blanchard, Millbury,	Cont C	
Massachusetts	Sept 6,	
Thrashing machine. William H. Ransone, Mathews county,	Sept 8,	
Virginia Tire for wagons, &c. mode of hollowing. Thomas Rowand,	sept o,	
Gloucester county, New Jersey	Dec 24,	
Towing boats on canals, machine for. Peter Cooper, N. Y	Jan 24,	
Tobacco press, improvement in the. S. Fraser, Nottingham,		
	March 23,	
Towing boats and vessels. Samuel Howard, Savannah, Geo.	March 23, May 24,	
Thrashing machine. Ezra Goodel, Phelps, Ontario county, N.Y. Thrashing machine. A. Woolworth, Waterbury, Connecticut		# wa

Teeth, composition for cleaning. Levi S. Parmly, New York	June	17,	182
Thrashing mashine. Asa Shattuck, Pepperhill, Massachusetts	June	23,	
Tobacco reel, improvement in the. S. and E. Hardy, Kenne-			
beck, Maine	Dec	'	
	March		182
	March	30,	
Tilt hammer, improvement in the. Jacob Eversol, Botetourt			,
county, Virginia	May	'	
Threads, mode of packing. Reuben Langdon, Hartford, Conn.	June		
Trucks, mode of cutting. Robert Rose, Washington, D. C.	Aug		
Teazling and knapping cloth. Aaron Foster, Whitestown, N. Y.	Aug		
Thrashing machine, improvement in. Benj. Cummins, Brooklyn	Sept	ı,	
Thrashing and rice cleaning machine. Michael Morrison, Wa-	Cont	15	- 19
terbury, New Hampshire Thrashing and winnowing machine, improvement in the. Seth	Sept.	ΞĐ,	
	Dec	10	
Ballon, Livermore, Maine Trunnels for ships, improvement in. Thomas Rowell, Vt.			
Transferring impressions. A. C. Baker and M'Fund Biddle,	Dec	10,	
Albany, New York	Feb	7,	
	March	2,	
	March	9,	
	March	9,	
Thrashing and winnowing machine. Alvin Savage, Wheat-	iviai cii	٠,	
	March	28	2
Thrashing machine. B. Tyler, J. Tyler and J. B. Andrews,	Mar on	 ,	
Windsor, Vermont	April	23.	
	April		
Tayloring, improvement in. Isaiah J. Hendryx, Bennington,	P	~0,	
Vermont	May	29.	
Thrashing, &c. machine for. Major M'Donald, Topsham, Me.	July		
Thrashing, &c. machine for. Thacher Blake, Paris Maine	July		
Turpentine, distilling. Frederick S. Cozzens, New York	July		
Thrashing machine. Joseph Pope, Hallowell, Maine -	July		
Truss shears, for cutting iron. Enos Baldwin, New York	July		
Thrashing machine, improvement in the. Timothy Howe,	•	` .	- 1
Turner, Maine	Dec	3,	-/
Tools, art of making edge. Horatio S. Gates, Troy, N. Y.	Dec	19,	
Thrashing machine. Gideon Reynolds, New York	Jan !		1823
Tanning, improvement in. Leonard Jacobs, Missouri -	Feb		
Thrashing, improvement in. John Carll, New York -	Feb	12,	
Truss, improvement on the. Amos G. Hull, New York -	Feb :	27,	-
Thrashing grain, &c. machine for. Naman Goodsell, Clinton,	- '	•	' '
	March	21,	**
Tannin, mode of extracting. William Knapp, Milford, N. Y.	April.	5,	
Thrashing machine. P. Reading, Trenton, New Jersey	April	15,	
Tubs, pails, keelers, &c. mode of making. Amos Mider, Ca-			
millus, New York	April		
	April :		
Tinned sheet lead, manufacture of. Thomas Ewbank, N. Y.	May	30,	
Telegraph, improvement in the. James M. Elford, Charles-		10	
ton, South Carolina	June	18,	-
Tilt hammer, improvement in the spring. William Bowlin,	r 1		
Harrisburg, Virginia	July		
Talley, mode of keeping. William A. Turner, Plymouth, N. C.	July !		
Thrashing machine, improvement in. Wm. Kirk, Baltimore	July 2		9-41
Temples for cloth-looms. John Bazin, jun. Canton, Mass.	Aug		
Thrashing machine, improvement in the. Charles Smith, N. Y.	Sept		
Thrashing grain, &c. Archibald Douglass, New York	Sept :	LO,	94
Tannin, mode of procuring by the pyroligneous acid. D. Roe,	Oct	2	69 Ps.
C. F. Kellogg and J. W. Gazlay, Cincinnati, Ohio Tannin, improvement in. Joshua Galbraith, Trenton, N. J.	Oct-	,	4 .5
germin, improvement in gonna Gaintain, itchion, iv.	OU.	100	

Thrashing and grinding machine, improvement in the. Win.			
		90	1823
S. Lewis, Pittsylvania, Virginia			
Tannin by the pyroligneous acid. Horace H. Hayden, Balt.	Nov	20,	
Thrashing machine, improvement in the. Benjamin Lovejoy,	,		
Augusta, New York	Dec	31,	
Thrashing machine, improvement in the. Andrew Noble, Al-			
fred, Maine	Jan	12.	1824
Throstle cotton spinner, improvement in the. Benjamin Brun-		-~,	10.0
		17	m
dred, Mamaroneck, New York	Jan	17,	
Truss, improvement in the revolving spiral spring. Joseph Farr,			
Manlius. New York	Feb	7,	
Teeth, preventive of caries or decay in. Horace H. Hayden,			
Baltimore	Feb	11	***
Thrashing and winnowing machine. Edward Warren, Au-		~-,	
		0	
	March		
Tide-gauge. James D. Woodside, Washington, D. C.	April	14,	- Table
Trigonometer, improvement in the. William Bolles, Griswold,			
Connecticut	July	17,	
Thrashing machine, &c. Gideon Reynolds, New York -	July		
Trusses for ruptures. Amos G. Hull, New York	Aug		
		LJ,	-
Tanning, improvement in. Joseph Wampler and G. Matthews,			
Steubenville, Ohio	Aug		
Trunks, making leather. Robert C. Martin, Philadelphia	Aug	28.	
Trusses for hanging the yards of ships. Preserved Fish, N. Y.	Sept		
Thrashing machine, &c. Ger. Boswick and H. Spencer, Ma-		. ,	
	Dec	94	
ryland, New York			
Transporting weights, &c. James Cornell, Brookfield, N. Y.	Dec		
Thrashing machine. James Hyde, South Pembroke, N. Y.	Feb	8,	1825
Tannin, extracting. William Lowber, Philadelphia -	March	15,	-
	March		
	March		
Teeth, sawing ivory comb. Philo Pratt, New York	April	20,	
Tanning, improvement on Demond's mode. Joseph Giles, Guil-			
ford, Vermont	April	11,	4-1
Thrashing and flax breaking machine. A. and N. Remington,	-		
Genoa, New York	May	19.	
Thrashing and shelling machine. Pierson Reading, Trenton, N.J.	May		
Throshing machine Dichard Holden Dhiladelphia	Mor	າດ,	
Thrashing machine. Richard Holden, Philadelphia	May	20,	
Truss, B. Farr's improvement on Hull's patent. Eli M. Gibbs,			
Norwich, New York	May	28,	
Thread of wood, machine for making. William Bell, Fayette			
county, Kentucky	June	1.	
Thrashing machine, improvement on S. Ballou's. J. C. Boyd,	o uno	-,	
	T	**	
Rush township, and A. Kitchen, Danville, Pennsylvania	June	4,	
Thrashing machine. Wm. Hoyt, Brookville, Franklin county,		-	
Indiana	Sept	9,	
Trashing grain. William Small, Augusta, Maine	Sept	9.	
Tire and hoop bending. Joseph Meredith, Lebanon, Penn.			
Teeth, apparatus for keeping free from saliva. Charles New-	Sent		
	Sept	,	
ton, New York	-		
	Sept		
Tire, machine for bending. Charles Cooper and Abraham Tus-	Sept	27,	
Tire, machine for bending. Charles Cooper and Abraham Tus- tin, Lebanon, Pennsylvania	-	27,	
Tire, machine for bending. Charles Cooper and Abraham Tus- tin, Lebanon, Pennsylvania	Sept Sept	27, 28,	
Tire, machine for bending. Charles Cooper and Abraham Tus- tin, Lebanon, Pennsylvania Thrashing machine. Joseph Briggs, Schoharie, New York	Sept Sept Oct	27, 28, 5,	
Tire, machine for bending. Charles Cooper and Abraham Tus- tin, Lebanon, Pennsylvania Thrashing machine. Joseph Briggs, Schoharie, New York Thrashing machine. R. Howard and J. B. Flagg, Kennebeck, Me.	Sept Sept Oct Nov	27, 28, 5, 5,	
Tire, machine for bending. Charles Cooper and Abraham Tus- tin, Lebanon, Pennsylvania Thrashing machine. Joseph Briggs, Schoharie, New York Thrashing machine. R. Howard and J. B. Flagg, Kennebeck, Me. Truss. Christian Stockman, Albany, New York	Sept Sept Oct	27, 28, 5, 5,	
Tire, machine for bending. Charles Cooper and Abraham Tus- tin, Lebanon, Pennsylvania	Sept Sept Oct Nov Nov	27, 28, 5, 5,	
Tire, machine for bending. Charles Cooper and Abraham Tustin, Lebanon, Pennsylvania	Sept Sept Oct Nov Nov	27, 28, 5, 5, 7,	
Tire, machine for bending. Charles Cooper and Abraham Tustin, Lebanon, Pennsylvania Thrashing machine. Joseph Briggs, Schoharie, New York Thrashing machine. R. Howard and J. B. Flagg, Kennebeck, Me. Truss. Christian Stockman, Albany, New York Tanning. Samuel Williams and Amos Williams, Orange county, New Jersey Trusses, for ruptures. John Blagg, Portland, Maine	Sept Sept Oct Nov Nov	27, 28, 5, 5, 7,	
Tire, machine for bending. Charles Cooper and Abraham Tustin, Lebanon, Pennsylvania Thrashing machine. Joseph Briggs, Schoharie, New York Thrashing machine. R. Howard and J. B. Flagg, Kennebeck, Me. Truss. Christian Stockman, Albany, New York Tanning. Samuel Williams and Amos Williams, Orange county, New Jersey Trusses, for ruptures. John Blagg, Portland, Maine	Sept Sept Oct Nov Nov Dec	27, 28, 5, 5, 7, 12,	
Tire, machine for bending. Charles Cooper and Abraham Tustin, Lebanon, Pennsylvania Thrashing machine. Joseph Briggs, Schoharie, New York Thrashing machine. R. Howard and J. B. Flagg, Kennebeck, Me. Truss. Christian Stockman, Albany, New York Tanning. Samuel Williams and Amos Williams, Orange county, New Jersey Trusses, for ruptures. John Blagg, Portland, Maine Thrashing machine. William Small, Augusta, Maine	Sept Sept Oct Nov Nov Dec Jan	27, 28, 5, 5, 7, 12, 15,	1826
Tire, machine for bending. Charles Cooper and Abraham Tustin, Lebanon, Pennsylvania Thrashing machine. Joseph Briggs, Schoharie, New York Thrashing machine. R. Howard and J. B. Flagg, Kennebeck, Me. Truss. Christian Stockman, Albany, New York Tanning. Samuel Williams and Amos Williams, Orange county, New Jersey Trusses, for ruptures. John Blagg, Portland, Maine Thrashing machine. William Small, Augusta, Maine Thrashing machine. J. A. Heermance, Redhook, New York	Sept Sept Oct Nov Nov Poc Jan Jan	27, 28, 5, 5, 7, 12, 15, 10,	
Tire, machine for bending. Charles Cooper and Abraham Tustin, Lebanon, Pennsylvania Thrashing machine. Joseph Briggs, Schoharie, New York Thrashing machine. R. Howard and J. B. Flagg, Kennebeck, Me. Truss. Christian Stockman, Albany, New York Tanning. Samuel Williams and Amos Williams, Orange county, New Jersey Trusses, for ruptures. John Blagg, Portland, Maine Thrashing machine. William Small, Augusta, Maine	Sept Sept Oct Nov Nov Dec Jan	27, 28, 5, 5, 7, 12, 15, 10,	

Thrashing grain and hulling clover, machine for. Jos. Potter,			
Reading, Berks county, Pennsylvania	Feb 1	8,	1826
Thrashing grain and breaking flax and hemp, machine. D.			
Hurlburt, N. Etheredge and J. M'Combs, Herkimer county,	A. 1.		
	Feb 2	21,	
Tanning, improvement on. Leonard Jacobs, Richmond, Va. Ma	arch	1,	-
Truss, spiral double cone. Bela Farr, Norwich, Chenango, N.Y. Ma	rch S	21;	
Tailoring, improvement in the art of. Greenbury Ross, Car-			
	pril	5.	
Toothed cultivator and harrow. Waldren Beach, Philadelphia "A			-
	pril		
	May		-
	May		
	lune		
Tire for wagons, &c. machine for bending. Walter James, Ash-	4	2011	
	June	19.	-
Trip hammer, method of moving. Elisha Crowell, Gardiner,	, ario		
	Aug	. 4	
	Sept		
	achír	٠,	-
Thrashing and winnowing grain, machine for. Sylvanus C.	Nov	0	
J,,,	TAOA	. 0,	
Trip hammer, improvement in the. Philip Pitts Read, Mercer,	Dec	7	
Maine			
J	Dec	9,	
Tobacco, kiln for drying. Edmund Pendleton, Louisa county,	n	10	
	Dec		1007
	arch	8,	1024
Temple for weavers, spring. A. Jenks and J. Clewell, Holmes-	-01	10	- 1
0)	arch	19,	
Tobacco, improvement in the manufacture of. J. Allen, jun.	70.7	. 1	
	April		
	April	7,	
Tenoning spokes for wheels, machine for. David Sperry, Col-		2 11	^ ·
	April	18,	
Turning lathe, improvement in the. Wm. Patrick, Leverett,			
Massachusetts	April	24,	
Thrashing machine. M. Pennock, Kennet Square, Chester	1		,
	May	26,	-
A file		:</td <td>107</td>	107
TI .	1 4	100	6
Umbrella, improvement in the. William Gamble, Washington,	1 1	1	
District of Columbia	July	3.	1824
Umbrella and parasol, improvement in the. William Sleeper,		Ξ,	9
Philadelphia	Nov	22	1826
I madeiphia	1101	~~,	1
T .		·	-1
The state of the s	Cant	19	1704
	Sept		
	June	29,	1795
Vessels, propelling. See Boats.	B. C	00	1505
	May	29,	1794
Vessels' bottoms. See Wood preserving.			1800
	June	2,	1798
Vessels, heaving down, raising weights, &c. See Machine for.			4000
Veneering plough, for cabinet work. William Stillman M.	arch		
	July	16,	
Ventilator for ships, &c. See Air pumps.			
Vapour. See Cooler and condencer.	- 1		4.01
Vegetable elixir or cough drops. S. Cooley, Bolton, Com.	Nov.	12,	1803
Vessels. See Raising.	•		

Vermifuge, mode of preparing. Joseph Lehman, Philadelphia Vitriolic test, for making bank bills. A. Brewster, Hartford		, 1807
Connecticut	July 11,	1808
Vegetable pulmonic, detergent. G. Rogers, Northampton, Mas	s. Dec 31.	,
Varnish for leather. John David, Philadelphia Vaporem. See Steam engine.	May 5,	1809
Vibrating nail plates, whilst cutting. J. Bernard, Troy, N. Y.	April 16,	1811
Verdigris, manufacturing. Stephen Dempsey, New York	Feb 4,	
Yarnish of gum elastic. Jacob H. Hummel, Philadelphia	April 29,	
Vencer's machine for shaving. Silvannus Bonnel, New Jersey		
Valetudinarian cot chair. John Mead, Albany, New York	March 18,	
Vessel, ball proof. Thomas Gregg, Connellsville, Penn.	March 19,	
Vaccinator, Spring. William Haslett, Baltimore - Vetrinary ventilated bath. James Carver, Philadelphia -	April 17, Aug 8,	
Verdigris, making. George F. Hagner, Philadelphia -	Oct 13,	
Violin, bass, &c. improvement in the. Nicholas A. Letc, N.Y.		
Velocipede, improvement in the. W. K. Clarkson, jun. N. Y.	June 26,	
Violins, &c. construction of. John Edwards, New York	Feb 17,	
Venereal disease, preventing the John Prentis, New London		
Vaccination, improvement in. James Smith, Baltimore -	July 10,	
Ventilating vessels. Charles W. Skinner, Norfolk, Virginia	Aug 23,	
Vessels, mode of setting up shrouds of. Robert Rogers, Dover		1000
New Hampshire	Feb 6,	
Veneers, saws for cutting. R. B. Richardson, Philadelphia	. May 19, Oct 6,	
Vice, perpetual lever. Calvin Wing, Gardiner, Maine	March 2,	
Varnish for leather, hewn stone, &c. Marcus Curtis, Troy, N.Y.		
'Varnish for furniture, leather, hewn stone, &c. Marcus Cur		
tis, Troy, New York	April 22	,
	-	7/4
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n e		1.00
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil		
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston	Jan 26,	1793
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston - Wheat, &c. machine for cleaning B Tyler, New Hampshire	Jan 26, April 15,	1793 1796
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston - Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker -	Jan 26, April 15, March 11,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston - Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker - Wheel, tide water. Silas Betts	Jan 26, April 15, March 11, March 18,	1793 1796 1797
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Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston - Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker - Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Clocks. Watches. See Clocks. Wind mills, improvement on. Charles Holden - Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel -	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 15, March 21, April 10, April 27,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Clocks. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 15, March 21, April 10, April 27,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Clocks. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 21, April 10, April 27,	1793 1796 1797
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Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making. Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 21, April 10, April 27, June 7, Dec 14, Dec 14,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Cloths. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale Wharves, vessels, and other wood from worms. R. Peale Wind mill, a method of regulating Thomas Thomson	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 21, April 10, April 27, June 7, Dec 14, Dec 14, Dec 14,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale Wharves, vessels, and other wood from worms. R. Peale Wind mill, a method of regulating Thomas Thomson Water, a machine for raising. Joseph Hemptley	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 21, April 10, April 27, June 7, Dec 14, Dec 14, Jan 3, Jan 10,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale Wharves, vessels, and other wood from worms. R. Peale Wind mill, a method of regulating Thomas Thomson Water, a machine for raising. Joseph Hemptley Writing with two penns, a machine for. M. I. Brunel	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 21, April 10, April 27, Dec 14, Dec 14, Jan 3, Jan 10, Jan 17,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale Wharves, vessels, and other wood from worms. R. Peale Wind mill, a method of regulating Thomas Thomson Water, a machine for raising. Joseph Hemptley Writing with two penns, a machine for. M. I. Brunel Wheel, improvement in the horizontal. Ezekiel Reed	Jan 26, April 15, March 11, March 18, A April 17, Nov 20, Dec 10, March 21, April 10, April 27, Dec 14, Dec 14, Jan 3, Jan 10, Jan 17, Feb 14,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker - Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Clocks. Wind mills, improvement on. Charles Holden - Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel - Water wheel flume for the improvement of large rapid streams Walter Brewster - Water, pipe and pump for conveying. Mark Reeve - Wood, a method to preserve the bottoms of. R. Peale - Wharves, vessels, and other wood from worms. R. Peale Wind mill, a method of regulating Thomas Thomson - Water, a machine for raising. Joseph Hemptley - Writing with two penns, a machine for. M. I. Brunel - Wheel, improvement in the horizontal. Ezekiel Reed - Water, obtaining force from by the help of steam. S. Morey	Jan 26, April 15, March 11, March 18, A April 17, Nov 20, Dec 10, March 21, April 10, April 27, June 7, Dec 14, Dec 14, Jan 3, Jan 10, Jan 17, Feb 14, April 24,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale Wind mill, a method of regulating Thomas Thomson Water, a machine for raising. Joseph Hemptley Writing with two penns, a machine for. M. I. Brunel Wheel, improvement in the horizontal. Ezekiel Reed Water, obtaining force from by the help of steam. S. Morey Water engine, improvement on his. Samuel Morey	Jan 26, April 15, March 11, March 18, A April 17, Nov 20, Dec 10, March 21, April 10, April 27, Dec 14, Dec 14, Jan 3, Jan 10, Jan 17, Feb 14,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale Wharves, vessels, and other wood from worms. R. Peale Wind mill, a method of regulating Thomas Thomson Water, a machine for raising. Joseph Hemptley Writing with two penns, a machine for. M. I. Brunel Wheel, improvement in the horizontal. Ezekiel Reed Water, obtaining force from by the help of steam. S. Morey Water engine, improvement on his. Samuel Morey - Weight, raising. See Machine for.	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 21, April 10, April 27, Dec 14, Dec 14, Jan 3, Jan 10, Jan 17, Feb 14, April 24,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale Wharves, vessels, and other wood from worms. R. Peale Wind mill, a method of regulating Thomas Thomson Water, a machine for raising. Joseph Hemptley Writing with two penns, a machine for. M. I. Brunel Wheel, improvement in the horizontal. Ezekiel Reed Water, obtaining force from by the help of steam. S. Morey Water engine, improvement on his. Samuel Morey Weight, raising. See Machine for. Water, engine for throwing. Patrick Lyon	Jan 26, April 15, March 11, March 18, A April 17, Nov 20, Dec 10, March 21, April 10, April 27, June 7, Dec 14, Dec 14, Jan 3, Jan 10, Jan 17, Feb 14, April 24,	1793 1796 1797
Wire, weaving of. T. Kirk and R. Leslie, Yorktown and Phil Wind mill, improvement in. Joseph Pope, Boston Wheat, &c. machine for cleaning B Tyler, New Hampshire Wheat, &c. machine for thrashing. William Booker Wheel, tide water. Silas Betts Wood and vegetables, &c. a combination of estringent. F. Hitch Window sashes, improvement in making: Stephen Parsons Wheel, spiral, for working in the tide water. Elias Ring Washing. See Cloths. Watches. See Clocks. Wind mills, improvement on. Charles Holden Water, a screw engine for throwing. Elijah Ormsbee Water, causing it to ascend from founts. John Manning Water, machine for raising Marc Isambard Brunel Water wheel flume for the improvement of large rapid streams Walter Brewster Water, pipe and pump for conveying. Mark Reeve Wood, a method to preserve the bottoms of. R. Peale Wharves, vessels, and other wood from worms. R. Peale Wind mill, a method of regulating Thomas Thomson Water, a machine for raising. Joseph Hemptley Writing with two penns, a machine for. M. I. Brunel Wheel, improvement in the horizontal. Ezekiel Reed Water, obtaining force from by the help of steam. S. Morey Water engine, improvement on his. Samuel Morey - Weight, raising. See Machine for.	Jan 26, April 15, March 11, March 18, April 17, Nov 20, Dec 10, March 21, April 10, April 27, Dec 14, Dec 14, Jan 3, Jan 10, Jan 17, Feb 14, April 24,	1793 1796 1797

Windows, how hung without weights. W. Young, Windham, Con.	Nov 2	20,	1800
Wheels within cylinders, mode of giving motion, &c. J. Sharples			
Wind mills, mechanical powers for the use of which. J. Sharples	Sept :	15,	***
Wind mill, improvement in. John A. Morton	Dec :		
	Jan S	20.	1802
	July	•	
Window sashes, improvement in raising and supporting. Leon-		,	
ard Kennedy	Sept	7.	
Water, machine for raising. John Baptiste Aveilhe	Oct		
Welding cast steel to iron, improvement in the manner of.	000	,	
Daniel Pettibone, E. Chapman and J. Nichols	Dec :	99	
Water, machine for raising. Benj. Cooley, Wheatley, Mass.	Feb		
	Iarch	6,	
Wind mill. See Horizontal.		10	
	farch		
	April :		-
Wool, machine for breaking and carding. B. Standring	June :	28,	
Window sashes, mode of applying springs. S. J. Camp, Nor-		*	
walk, Connecticut	July	1,	
Wooden stills. See Distillation.			
Water cock, improvement in. George Youle, New York	Aug	25,	"
Wheel press. Hezekiah Betts, Norwalk, Connecticut -	Sept	13,	
Wind mill. See Horizontal.			
Wind mills, improvement in. A. E. Paine, Harpersfield, N. Y	Nov	19.	a. 10 .
Window sashes, improvement in fastening and supporting.		,	
Jacob Osborn	Nov	24	
Wind mill, improvement in. William Bell, Camden, S. C.	Nov		
		10,	
Window springs. James Curtis, jun.	Dec	. 10,	
Wheels, improvement in for various purposes, John Staples,	E.L	17	100/
jun. Warren, Virginia			1804
Window sashes, improvement in hanging. W. W. Hopkins	Feb		
Washing machine, improvement in. Daniel S. Dean	Feb		
Window fastenings or springs. D. Miller, E. Haddam, Conn. M			
	March	16,	about A
Wry fly, improvement applied to mills. Benjamin Tyler, Clare-			
	March	19,	
Window sashes. See Springs.			
Water, improvement in the raising of. Benjamin Folger	July	7,	~~
Water, machine for raising from mills. W. Harrington, Paris,			
Kentucky	Aug	28,	
Windlass for ships or vessels, improved. H. Betts, Norwalk,			2 ,
Connecticut	Aug	29,	
Wind mill, improvement in. Richard Weems, Annapolis	Sept		
Wagens or earriage to be worked by hand. John Bolton, jun.			
Wind mill, improvement in. W. Staunton, jun. Plymouth, N. H.			
Window spring, improvement in. Isaac Scott, New Haven	Dec		
			1805
Water, machine for raising. F. Lippart, P.O. Keetztown, Pa.	May		
Washing and scouring machine. A. Higham, Hudson, N. Y.	Nov		
Water, machine for raising. Seraphim Bellij, Baltimore	MOV	٠,	
Washing machine. William J. Fulsom and J. Hayden, Kenne-	D	377	
beck, District of Maine	Dec	11,	
Water. See Spring pump for raising.			
Welding east steel to iron, mode of. D. Pettibone, Roxbury,	0.	00	1000
Connecticut	March	22,	1806
Washing machine. See Fulling mill			
Water wheels for mills. E. Hubbel, Middleburg, Vermont	May		
Wind mill. John Cooper, Philadelphia	May	22,	
Washing machine. Reuben Buck	May		
Water proof, method of rendering cloth. James P. Weight-			
man, Boston	Oct	21,	
Winding cotton, machine for. D. Brown, jun. Warren, R. I.			1807
		-	

11		100
Maria de Dillat Watertown Mood	Feb 28,	1807
Washing machine. Richard R. Elliot, Watertown, Mass.	April 25,	
Washing machine. Simon Willard, jun. Hudson, New York		
Washing, scouring, and churning machine. Thomas Beatty	April 25,	
Washing machine. Josian Cleveland, Franklin county, Penn.	June 6,	
Washing machine. Eben Jones, Berkshire county, Mass.	July 24,	
Washing machine. M. Lee and T Barber, Oneida county, N.Y.	Oct 1,	
Water wheel, improvement in the. Simon Willard, jun. Hud-	D 1	
son, New York	Dec 1,	1000
	March 15,	
	March 21,	
Whalebone, mode of twisting for whips. Joseph Reeve, New-		
burg, New York	April 25,	
Washing machine. Leonard Kennedy, Hartford, Conn.	April 26,	
Washing machine. Elam King, Johnstown, New York	May 14,	
Whip saw, application of. S. Barber and N. U. Tomkins, N.Y.	June 1,	
Washing machine. Martin Lee, New York	June 4,	
Washing machine, churning, getting out clover seed, &c. Roht.	7 10	
Patton, Columbia, Pennsylvania	June 13,	
Washing machine, perpendicular. E Jones, Alfred, Mass.	June 20,	
Washing machine. Asahel E. Paine, Delhi, New York	July 1,	
Washing machine. Enos Trescott, New Marlboro', Mass.	July 11,	
Washing machine. Sheron Henry, Bloomfield, New York	July 11,	
Washing machine. Thomas Osgood, Charteston, New York	July 11,	
Washing machine. Eben. Lister, Killingworth, Connecticut	July 11,	
Washing machine. Dudley Loomis and Ira	July 11,	
Wind mill. Uzziel Geer, Norwich, Connecticut	July 18,	
Wheels, machine for making. Jacob Coon, Granville, N. Y.	Aug 6,	
Water, machine for elevating. Wm. Smith, Gloucester, N. J.	Aug 12,	
Washing machine. S. W. Dana, Rutland, Vermont	Aug 30,	
Wheel carriages. Stephen Winchester, Newton. Connecticut	Aug 30,	
Washing and churning machine. Ditto ditto -	Aug 30,	
Washing and churning machine. G. Bishop, Cazenovia, N. Y.	Sept 7,	
Winnowing machine. Randal Wallis, Baltimore	Nov 9,	
Window sashes, machine for making. J. Farnham, Oswego, N Y.	Jan 7,	
Washing machine. Septimus Tucker, Dublin, Pennsylvania	Jan 12,	
Window shutters. See Fastening.		
Washing machine. Eli F. Hill, Onandago, New York	Feb 11	
	Feb 13	
3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Feb 16	
	March 11	
	March 23	
	March 23	
Washing machine. Garry Bishop, Madison county, N. Y.	April 17	
Washing machine. Lemuel Bachelor, Vernon, New York	April 24	
Window sashes. David Worthington, Hartford, Connecticut	April 27	
Water wheel. William Stubs, Chilicothe	May 1	•
Weaving straw with silk, &c. Mary Keis, Killingly, Conn.	May 5	,
Washing machine. Orin Chatfield, Burlington, New York	May 15	
Washing machine. Nicholas Van Zandt, Washington	May 21	,
Washing and churning machine. G. Osgood, Mad son county,		
New York	June 7	
New York Washing machine. Martin Lee, Burlington, New York	June 7 June 8	,
New York Washing machine. Martin Lee, Burlington, New York Washing machine. Isaiah Jennings, New York	June 7 June 8 June 13	,
New York Washing machine. Martin Lee, Burlington, New York Washing machine. Isaiah Jennings, New York Wool carding machine. Daniel Smith, Philadelphia	June 7 June 8 June 13 June 14	, ,
New York Washing machine. Martin Lee, Burlington, New York Washing machine. Isaiah Jennings, New York Wool carding machine. Daniel Smith, Phitadelphia Water tables, for doors, &c. Nathaniel Briggs, Windham, Vt.	June 7 June 8 June 13 June 14 June 17	, , ,
New York Washing machine. Martin Lee, Burlington, New York Washing machine. Isaiah Jennings, New York Wool carding machine. Daniel Smith, Phitadelphia Water tables, for doors, &c. Nathaniel Briggs, Windham, Vt. Water back and tewel for smiths. O. Ames, Plymouth, Mass.	June 7 June 8 June 13 June 14 June 17 June 24	, , ,
New York Washing machine. Martin Lee, Burlington, New York Washing machine. Isaiah Jennings, New York Wool carding machine. Daniel Smith, Phitadelphia Water tables, for doors, &c. Nathaniel Briggs, Windham, Vt. Water back and tewel for smiths. O. Ames, Plymouth, Mass. Washing machine. Thomas Pierce, Fishkill, New York	June 7 June 8 June 13 June 14 June 17 June 24 June 24	, , ,
New York Washing machine. Martin Lee, Burlington, New York Washing machine. Isaiah Jennings, New York Wool carding machine. Daniel Smith, Phitadelphia Water tables, for doors, &c. Nathaniel Briggs, Windham, Vt. Water back and tewel for smiths. O. Ames, Plymouth, Mass. Washing machine. Thomas Pierce, Fishkill, New York Worm boiler. James Truman, Philadelphia	June 7 June 8 June 13 June 14 June 17 June 24 June 24 June 24	, , ,
New York Washing machine. Martin Lee, Burlington, New York Washing machine. Isaiah Jennings, New York Wool carding machine. Daniel Smith, Phitadelphia Water tables, for doors, &c. Nathaniel Briggs, Windham, Vt. Water back and tewel for smiths. O. Ames, Plymouth, Mass. Washing machine. Thomas Pierce, Fishkill, New York Worm boiler. James Truman, Philadelphia Washing machine and press. Amos Hosford and Ezekiel Kel-	June 7 June 8 June 13 June 14 June 17 June 24 June 24	,
New York Washing machine. Martin Lee, Burlington, New York Washing machine. Isaiah Jennings, New York Wool carding machine. Daniel Smith, Phitadelphia Water tables, for doors, &c. Nathaniel Briggs, Windham, Vt. Water back and tewel for smiths. O. Ames, Plymouth, Mass. Washing machine. Thomas Pierce, Fishkill, New York Worm boiler. James Truman, Philadelphia	June 7 June 8 June 13 June 14 June 17 June 24 June 24 June 24	,

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Wheat rubber. James Deneale, Dumfries, Virginia -	July	1,	180
Wire work, machine for weaving. P. Bernard, Whitestone, N.Y	. July	7,	-
Wood screws. See Screws.		,	
Washing machine. Shubael Kimball, Rhinebeck, New York	Aug	12,	james
Wheel to operate by wind or water. W. L. Bakewell, New	7		
Haven, Connecticut		18,	ga 4u
Wheel, mode of casting for clocks. Lemuel J. Kilburn, Penn.		13,	
Washing machine. Rozel Philips, Otsego, New York		14,	
Washing machine. Robert Robinson, Leesburg, Virginia	Nov		
Water wheel, horizontal. David Parmalee, Reading, Conn.	Nov		
Wells, mode of sinking. Peleg Easton, Nantucket, Mass.		1,	
Washing machine. Sylvester Noble, Hosick New York	Feb		
Washing machine. Sylvester Noble, Hosick, New York Weaving machine. Walter Janes, Ashford, Connecticut		16,	
Windows. See Spring bolt.	T CD	10,	
Whip saw. See Saw.			
Water wheels for mills. J. Minor, Saratoga, New York	Annil	9	
	April		
Wheel wright's labor saving machine. M. Battle, New York	April		-
Washing and churning machine. J. Roberts, Germantown, Pa.	April		
Wind mills. Russel H. Wright, Boston	April		
Wire winding and spinning. Henry Burke, Philadelphia	June		
Washing machine. Isaac Loof borrow, New York	June	,	
Winding machine for weavers. Levi Ruggles, Boston -	Aug		
Winding machine for weavers. Walter Janes, Ashford, Conn.	Aug		
Writing, teaching the art of S. Warren, Randall, R. I.	Oct		
Washing machine William Jackson, Painsville, Ohio -	Oct		
Water wheel. Pindar Antrim and Samuel Bolton, Philadelphia	Nov	1,	
Windlass and capstan. John Calvin, Philadelphia -	Nov	6,	-
Water, machine for raising, &c. Jos. Clap, Montague, Mass.	Nov	21,	
Water wheel. Aaron Reuck, Chilicothe, Ohio	Dec	5,	
Washing machine. Daniel Robinson, Franklin, New York	Dec	15,	
Window springs. George Cannon, Nantucket, Massachusetts	Dec	27,	-
Water boiler and steam still. P Bernard, Whitestown, N.Y.	Jan		
Wood, preserving in salt water. Robert Lloyd Nicholas, Eas-			
ton, Talbot county, Maryland	Feb	23,	<u>_</u>
Wheat. See Starch, &c,		•	
Wheel, tide mill. D. Wheeler, Bristol, Massachusetts	March	2.	-
	March		
Wind wheel, horizontal bellows. D. Van Vorhees, Long Island,		-,	
	March	21.	
Water wheel, spiral. B. Schoolfield and W Stanton, Lynch-		~~,	
burg, Virginia	April	96	
Water wheel, raising or lowering. M. Andrews, Kennebeck,	zipii.	~0,	
Massachusetts	May	4	
	May		-
	May		
Window sashes. John Ballthorp	May		
Window Sachest Conn Bastmorp			
Washing machine. D Duncan, Upperville, Loudoun county, Va.	May		
Water wheel, horizontal. John Osburn, jun. Litchfield, Conn.	May !		
Water blast. Joseph Ruggles, New Milton, Connecticut	June	υ,	
Water wheels, machine for two. Luke C. Hinman, Luther Bis-	7	P 7	
sel and Moses Barns, Otsego, New York	June		
Wheel head, accelerating. A. Putnam, Philadelphia	July		
Wooden springs for carriages. L. Somner, Downingtown, Pa.	July		
Wear for catching fish. Hawley Emerson, Hancock	Aug		~~
Wool picker. Michael Morrison, Boston	Aug 1		-
Weaving. N. and P. Miller, Franklin, Massachusetts	Aug 2		
Weaving. Joseph Atkinson, Amherst, Massachusetts -	Sept	5,	
Wool, machine for drawing and spinning. William Humphreys,			1
Humphreysville, Connecticut	Oct	4,	9~
White lead, washing. Samuel Witherille, jun. Philadelphia	Oct 2	29,	-
White lead setting the beds. &c. Ditto ditto -	Oct 2	9.	

White lead, screening in water. Samuel Witherille, jun. Phil. White lead separating the oxidated from the metallic. Samuel		1811
Witherille, jun. Philadelphia	Nov 1,	00 v0
Water wheel. Elisha Mack, Sheffield, Massachusetts	Nov 2,	
Water gate, balance. William Maher, Rome, New York	Nov 12,	
Welding scrap iron, &c. B. King, Washington City Wire. See Rolling.	Nov 15,	44.00
Writing, mode of teaching. S. Randall, Warren, R. I.	Jan 11,	
Weaving, the art of. J. Rood, Canterbury, Connecticut	Jan 23,	
Whirl and regulator for flax. C. Crafts, Woodbury, Conn.	Feb 10,	***
Washing machine W. Stanton, Lynchburg, Campbell county,	M 10	
Virginia	May 12,	
Warming rooms. Daniel Pettibone, Philadelphia - Water, hydraulic for raising. W. Schultz, Philadelphia	May 12,	
Washing and churning machine. Z. Phiney, Cairo, N. Y.	May 26, June 19,	
Water gate, shutting the. Amos Bolton, Fauquier, county, Va.	June 19,	
Washing machine. Joseph Palmer, Brookfield, New York	Aug 21,	
Wharves, constructing. John Butler, Baltimore -	Sept 9,	
Wire, machine for making. Wm. Wadsworth, Hartford, Conn.		
Wool carding machine G. Both, Poughkeepsie, New York	Oct 13,	
Wire, machine for drawing. Jacob T. and Thos. Walden, N. Y.	Oct 31,	
Wine, converting cider into. Henry Seabolt, Scipio, N. Y.	Nov 11,	
Water mills. Samuel Browder, New York	Nov 27,	
Wheel heads. William H Peabody, Woodbury, Connecticut	Dec 14,	
Washing machine. Erastus Denison, New Lisbon, New York	Dec 30,	
Water, raising from wells. George Patterson, Philadelphia	Feb 6,	1813
Wool for worsted program I would be a Philadelphia	Manch 10	
	March 18,	
Wheel head. Eli Church, Horner, New York Winnowing machine. John James, 3d, Plymouth, Mass.	March 18,	
Washing machine. John F. Whipple, Easton, New York	May 4, June 10,	
Wheels, machine for making. Melzor Hunt and Cotton White,		
Hartford, Mass.	June 15,	
Washing machine. Josiah Hotchkiss, Woodbury, Conn.	June 18,	
Washing machine. Silas Hitchcock, Vernon, New York	June 25,	
Water mill. Jacob Perkins, Newburyport, Mass -	June 26,	
Weavers' lathe. John Drummond, New York -	July 24,	
Weavers' beams. Goliah Williams, North Providence, R. I.	Aug 24,	
Wine from cider. Ezra B. Corkings, Bristol, New York	Oct 9,	
Window sashes, bolt for. Nathaniel Briggs, New York	Oct 13,	
White lead making. Alexander James Hamilton, New York	Nov 8,	
Wooden springs Luke H. Thrall, Troy, New York	Nov 10,	
Weights, applied to machinery. Peter Obert, New York	Nov 18,	
Weaving millinett, &c. Stephen Steward, Cheshire, N. H.	Nov 31	
Wheel head David Loring, Canandaigua, New York	Nov 31,	
Washing machine. John Gray, Eaton, New York	Jan 25, Feb 4,	
Water, machine for raising. Jacob Hartman, Lampeter, Penn.		
Wheel for spinning, &c. Emery Russel, Long Mcadow, Mass.	April 18,	
Wheel heads. Emery Russel, Long Meadow, Mass.	April 18,	
White lead. Elisha D. Butts, Baltimore	May 5,	
Water wheel, improvement on Farnham's. David Cooper, Je-	,	
richo, New York	May 12,	
Washing machine. Eliphalet Jaques, Newburyport, Mass.	May 24,	
Wood sawing. Benjamin Hoadley, Waterbury, Con		
Weeding machine. Charles Hill, Essex county, Virginia	June 14,	
White lead, manufacturing. J. Welsh and T. Evans, Phila.	July 7,	
	July 7, Aug 15,	
Winding spool, &c. Augustus C. Sherewood -	July 7, Aug 15, Oct 18,	***
Winding spool, &c. Augustus C. Sherewood - Wadding cotton. James Beaumont, Canton, Mass	July 7, Aug 15, Oct 18, Dec 3,	***
Winding spool, &c. Augustus C. Sherewood -	July 7, Aug 15, Oct 18, Dec 3,	***

Wooden springs for carriages. Levin Brickhead -	Dec	30,	1814
Weaving, spooling, and winding. Eben Stowell, Middlebury,		. 98	181
Warping machine. Thomas Siddel, Germantown, Penn.	March	27	, 1010
Water wheel. George Peck, Whitestown, New York	April		
Washing machine. Joshua Lane, Homer, New York -	May	15,	
Water used on wheels successively. A. Danielson, Otsego N. Y	. May	16,	
Whiskey making. Silas Smith, Gennesee, New York -	May	23,	
Water wheel, horizontal. James Wood, Mount Pleasant, N. Y.	. June	19,	
Wind and water wheel. Jonathan Reynolds Dutchess co. N. Y	. June	24,	
Water wheel, applying. Asa Jellson, Roxbury, Mass.	July	17,	••
Wheel, vertical horse. John A Morton, Baltimore	July	21,	,
Wool, machine for spinning and roping. Samuel Learned, Watertown, Massachusetts	Aug	2	
Wheels, carriage. B. L. Greenough, Lebannon, N. H.	Aug	19	
Water wheel, horizontal R. A. Donaldson and J. L. Wheel-	nug	12,	
	Sept	25.	
	Nov.		
Washing machine. Christ. Seebold, New Berlin, Penn.	Feb	1,	1816
Water wheel, overshot. John Green, Virginia -	Marc	h 5,	
Water wheel, overshot. John Green, Virginia Winding yarn. Paul Moody, Boston	Marc	h 9,	-
Wheel head. David Lee, Guilford, Conn Water wheel. Silas Dalie, Cumberland, Mass	May	6,	. •
Water wheel. Silas Dalle, Cumberland, Mass.	May	28,	
Weaving. Ira Draper, Weston, Mass	June	7,	
Weights, propelling boats by. Moses Martin, Woodbridge, New Jersey	v- July	. ο .	
Willard's time-piece, improvement in. L. Curtis, Concord, Ma	July	0,	
sachusetts	July	12.	44
Windmill, improvement in. James Barron, Elizabeth City, Va			
Winder, socket and bobbin. John Thorp and S. Shepard, Taunt	on,		
Mass	- Oct	14,	
Water marks in paper. J. Perkins and T. Gilpin, Philadelphia	Dec	18,	-
Water wheel. Wm. Purnell, Giles co. Tennessee	Jan	10,	1817
Weights, machine for raising. Henry Nold, Bucks co. Penn.	Jan	22,	
Water, rendering pure. S. Griffith, Stephenson, Rensalaer cour	ity,	,	
Water power, applied to machinery. Meredith Malloroy, Ben-	Feb	1,	9-
	March	3	1
Water wheel, tide and current. Samuel Morey, Oxford, N. H.			
Water wheel, tide and current. Benjamin Thomas, Washing-		,	
ton, District of Columbia	March	20,	
	March	26,	
Water wheel. Theodore Burr, Burr Haven, Dauphin county,			
Pennsylvania	April		•
Water wheel. Ira Griswold, Granby, Connecticut	April		
Water wheel, perpetual James Widdifield, Philadelphia	April		46
Window and door frames. Randolph Ross, Baltimore Water, mode of letting on a wheel. J. Smith, Queen's county,	April	30,	
New York	July	1.	
Water wheel. Amos Thayer, Albany, New York	July		
Weaving, preparing yarn for. H. P. Franklin and W. B. Win-		٠,	
sor, Providence, Rhode Island	Aug	8,	
Wells, sinking. Eben. Hilyard, Philadelphia	Sept	10,	
Water, raising and forcing. L. T. B. and S. E. Morse, Charles-		_ 1	
town, Massachusetts	Oct	'	•
White lead, making of. George F. Hagner, Philadelphia	Oct		
Wheel, horizontal inclined. M. Isaacs and John Wilbanks, Phil.	Oct		
Water wheels. Charles Agustine Busby, New York	Oct 2	'	_
Water burner, American. Samuel Morey, Oxford, N. H. Wood, seasoning. James Ronaldson, Philadelphia -	Dec :		1818
Winnowing machine Ed and John Brooks Wilmington Del	Feb		1010

Water proof stiffening for hats. A. and G. V. Raymond, Balt.		7,	1818
Water wheel, spiral screw. Alex. D. M'Kamy, West Tennessee	Feb		***
Wheel trailing. John Read Lime, Connecticut	March'		
White lead. Edward Clarke, Philadelphia	March :		
Weaving. Stephen Armstrong, Poughkeepsie, New York	April		
Weaving machine. David Grieve, Providence, Rhode Island Water wheel. John Evans, Davies county, Indiana	April :		77
Waste steam. John H. Morton, Thomas Bodley and Robert	npin ,	· .,	
Huston, Lexington, Kentucky	April 9	28.	
Wooden springs for carriages. James Greenwood, New Castle,		,	
Delaware	April 2	28,	ardi.
Water, new mode of applying as a power. A. Thayer, Albany,		ĺ	
New York	May		-4
Water wheel. Amos Thayer, Albany, New York -	May		
Water wheel. John Edwards, Urbana, Ohio -	May 2	25,	
Water tew iron. Gideon Davis, Sandy Spring, Montgomery		0.0	
county, Maryland	May 2		
White lead. Joseph Richards, Philadelphia - Wind wheel. Moses Isaacs, Camden, N. J. near Philadelphia	May 2		
Wheel for propelling boats. John Sayward Trott, Boston	June		
Writing. See Tachygraphy.	bunc	~,	
Weights, machine for raising. S. Gray, Madrid, New York	July 1	5.	
Water wheel, called the boat wheel. H. Brown, Lebanon, Ohio	July 2		:
Wooden springs. James Clark, Kent county, Delaware	July 3		
Washing machine. James Barnet, Providence, Rhode Island	Sept 1		
Winnowing machine, improvement in the. Thomas Beatty,			
Washington	Oct		
Window springs, improvement in. Gideon Drake, Hartford, Cont			•••
Water wheel, improvement in the. Arthur Henrie, Miami, Ohio			
Water tew iron. W. Barker, Luzerne county, Pennsylvania	Nov 1		
Winnowing machine, improvement in the. J. Bromwell, Balt. Water burner, improvement on Morey's. J L. Sullivan, Bost.	Nov 2		
Wheel, improvement on the double stem. J. L. Sullivan, Bost.	Dec 1 Dec 1		 خرت
Water burner, improvement on his. J. L. Sullivan, Boston	Dec 1		
Water wheel, improvement on. Asa Waters, Millbury, Mass.	Dec 2		
Wooden jack screw. Z. Bunker, Guilford county, N. C.	Feb		
Wheat, machine for cleaning garlie, &c. from. Thomas Wilson,		-, -	
Baltimore county, Maryland	Feb		
Wheel, chain water. Henry Beidleman, Washington county, Va.	Feb	8,	
Winnowing machine. Horatio Watkins, Washington county,			
	March 1		
	March 1		
Water wheel, improvement in the. T. Eames, Newbury, Vt.	April 2		
Washing machine. Beardley Hendryne, Springfield, N. Y. Window springs. Hezekiah Salisbury, jun. Brattleboro', Vt.	May	o,	
Water, mode of raising. John Ambler, New Berlin, Chenango	May 2 May 2	τ, κ	,
Wheel, horizontal. George Deming, Burlington, Vt	July 2		
Wincowing machine for wheat, &c. E. Tisdale, Herkimer	oury 2	~,	
county, New York	July 3	1.	
Wheel barrow. Jeremiah Bainard, Rome, New York -	Aug 2	,	•7
Weaving, improvement in. J. H. Pierson and James S. Sim-	· ·	1	
mons, Rockland county, New York	Dec 31	1,	55
Wheat, machine for washing and drying. Samuel Martin and		40	
Z. Chapin, Ontario county, New York	Jan 18		820
Water wings, for propelling boats, &c. J. J. Dyster, Balt.	Feb S		~
Watch chains, machine for making. Samuel Keplinger, Balt.	May 4	ŧ, -	*
Water and coal, machine for drawing. Edmund C. Dauley, Fredonia, Indiana	Now 10)	
White wash brush. Elijah S. Curtis, Charleston, Mass.	May 13 June 3	$\hat{2}$,	-
Watch chains, machine for making. John Hatch, Baltimore	~ 4	,	
Water wheel. Elisha Hall, Baltimore -	T .		
,			

Wheel, spiral helm. Robert P. Cunningham, Pomfret, Conn.	Aug	3.	1820
Washing machine. Benjamin Cox, Hadley, Massachusetts	Aug		
Wire screens for cleaning rice. N. and D. Sellers, Philadel.	Aug		
Weighing machines. Eli Wadsworth, Hartford, Connecticut	Sept		200 App.
Wheel, tide. N. Gates and Alexander Maxwell, New York	Sept		-
Water wheel. James Price, New York	Oct		
Water wheel. David Beauchamp, Elizabethtown, Virginia	Oct	10,	
Wind mills, improvement in. P. Ettienne, New York	Oct	14,	
Winnowing machine. Josiah Brown, New London, Conn.	Nov	29,	
Weaving, improvement in the harness for. M. Chandler and			
E. Brown, Cazenovia, New York			1821
Water wheel, horizontal pedal. John James Giraud, Balt.	Feb	5,	
Wind and water wheel, improvement in the. William Gallup,	-		
	larch		
	April		
	April		
	April		** **,
Water wheel, oblique. Ralph Bulkley, New York	Aug	1,	
Whale's blubber, machine for mincing. Benj. Taber, Fairhaven, Massachusetts	Ann	1.1	
Water, machine for raising, by weight. J. Altoffer and Wm.	Aug	II,	-
Bushnell, Harrisburg, Virginia	Aur	30	
Water wheel right and left. Ralph Bulkley, New York	Aug		
Washing machine, improvement in the. James Barron, Virginia	Dec	7	pr-m-
Water, machine for raising. N. N. Dettrehan, Charles Parish, La.	Dec		
Waterwheel, improvement in the horizontal. H. Howard,	200	.,	
Wooster, Ohio	Dec	26.	
Washing machine, improvement in the. Pascal Cady, Brook-			
lyn, Connecticut	Jan	17,	1822
Wire, improvement in drawing card. Russel Prouty, Spencer,	0		
Massachusetts	Jan	19,	
Window shutters and blinds, fastening. Bernice West and Phi-			
lander Soper, Rome, New York	Jan	31,	
Wheel, polygonal, chain, paddle, &c. Tim. Elmer and Azel			
Pierson, Bridgetown, New Jersey	Jan		
Waistcoats, pantaloons, &c. making. Charles Herwick, N. Y.	Feb		
	March		-
	March `April	,	
Water wheel, improvement in the tide. Robert Seal, Delhi, N.Y.	May		
Washing machine, improvement in the Francis Goucher, Phil.	June		
Wind mills, improvement in. William Phoebus, New York	June		,
Wheels for carriages. John Whitaker, Dingman's Ferry, Penn.	June		
Wool picker, improvement in the. Beria Brown, Exeter, R. I.	Sept		
Window sashes, self-balancing. Francis Follot, Petersburg, Va.	Oct		***
Washing machine, improvement in the. David Watson, Fay-	** 7		
ette, Maine	Oct		
Water, elevators for raising. Social Rolph, Albany, N. Y.	Nov	16,	Taken .
Water wheel, improvement in the inclined horse and water. Lee	_	- 0	
Wheeler and Timothy Powell, Coxackie, New York	Dec	. 6,	
Wind mills, improvement in the machinery of. John Gue, Wa-	Dee	21	
terford, New York	Dec	31,	
Water wheel, improvement in the vertical. John Maze, Green- brier county, Va. '	Ton	10	1823
Wind mill, improvement in the. Jesse Mollineux, North Hamp-	Jan	ıu,	1000
stead, New York	Jan	24	
Water wheel, improvement in the. Adolphus Allen, Troy, Penn.	Feb		
Water, improvement in raising. Littlebury H. Mosby, Pow-		-,	
hatan county, Virginia	Feb	15,	m mp
Wheat, machine for cleaning smut from. Daniel Pease, jun.		,	
Windfield, New York	Feb	27.	مهيم.
	-		

Wheel, to prevent ropes, &c. from slipping. James Cooper,		1000
	June 17,	
Window sash, machinery for making. Amos Miner, Elridge, N.Y. Washing machine, improvement in the. Isaac Leavitt, Turner, Me.	July 9, Aug 12,	
Washing machine, improvement in the. A. Glendening, Butler	nug 12,	
	Sept 25,	
Warming beds, mode of. Peter Lannay, Baltimore -	Nov 11,	
Wheel made to supersede the crank. James Stedwell, 3d, Car-		
mel, Putnam county, New York	Nov 25,	
Water wheel, made of iron. P. J. Schuyler, E. Hitchcock and	D 00	
D. Hitchcock, Stillwater, New York	Dec 20,	
Ware, improvement in making all kinds of. Robt. U. Richards, Winchester, Connecticut	Feb 19,	1894
	April 12,	
	April 24,	
Wheel head, improvement in the accelerating. Diana H. Tuttle,	1 '	
Williamson, New York	N'ey 17,	
Washing and scouring machine. W. Cahoon, Windfield, N. Y.	June 15,	
Washing machine, revolving. Eben. Dewey, Butternuts, N. Y.	June 24,	
Weaving, cam motion in C. Whiting, J. Goulding, W. Janes, Dedham, Massachusetts	Iuma 05	
Watering cattle. Adolphus Allen, Troy, Pennsylvania	June 25, July 10,	
Washing machine. Andrew Glendening, Loudoun county. Va.	Sept 9,	
Wheel barrows for brick. Nat. Tufts, 2d, Charlestown, Mass.	Sept 13,	
Window shutters, fastenings for. Nathaniel Briggs, N.Y.	Oct 21,	
Weights, machine for raising. Almoran Holmes, Boston, Mass.	Oct 21,	
Water wheel, mode of letting on water. Samuel Sperry, Nash-		
ville, Tennessee	Nov 9,	
Washing machine. John West, Middletown, Connecticut Water, or tide wheels, improvement in. T. B. V. Gaasbeck and	Dec 14,	
D. Sands, Poughkeepsie, New York	Dec 24,	
Wire, harness for weaving. Elisha Allis, Cazenovia, N. Y.	Dec 30,	
Washing machine, lever. R. Wheeler, Vergennes, Vermont	Feb 26,	
Wheel, for carriages. William Cooper, Columbia, S. C.	March 3,	
Water, mode of raising. Darius Comstock, Lockport, N. Y.	Tarch 15,	
Water wheel, horizontal. Eben. Thompson, Manchester, N.Y. M	Aarch 24,	
Water wheel, horizontal. O. Latham, L. Bennet and J. Green,	Mar 00	
Oneida county, New York Wool and cotton, machine for roping and spinning Francis	May 28,	
Burdick, Kortright, New York	May 30,	
Water, mode of raising. Scott Fickett, New York -	June 11,	
Wooden ware, machine for making. L. Z. Parke, Windham, N.Y.	June 14	
Window and bed curtains, mode of manufacturing. Samuel		
Abbot and Joseph Prentis, Chester, Massachusetts	Aug 23,	,
Window shades, &c. machine for making. Rufus Conant, Lynn, New Hampshire	Cont 0	
Warming rooms, mode of. William Baker, Springfield, N. Y.	Sept 9	
Water wheel, horizontal. Abraham Lippitt. Windsor, Ohio	Nov 2	
Water from wells, drawing. Elijah Willard, Egremot, Mass.	Nov 2	
Washing machine. Moses J. Clark, Auburn, New York	Nov 8	
Water and sawing timber, machine for raising. John Winter,		7
Brutus township, New York	Nov 15	,
Weavers' harness, making metal eyes for. J. Conger and L.	A7 1 -	
Woodbury, Locke, New York • Washing machine. Shelbern Bostwick, Thompson, Ohio	Nov 15	,
Washing machine. Oliver Deane, Walpole, Massachusetts	Dec 8	
Washing machine. Willard Foster, Oswego, New York	Jan 11 Jan 25	, 1026
Water from wells, drawing. Jeremiah Dexter, Salisbury, Conn.	Jan 27	
Washing by steam. Junius Smith, London, England -	Jan 28	, 1
Ways for drawing up vessels. Amasa Miller, New London, Conn.	Feb 8	,
Weaving wire, power loom for. John S. Gustin, New York	Feb 23	,

Washing machine. Edward Thurston, Burlington, Vermont	March	వ ,	182
Window shutters and doors, fire proof. J. Brown and George		10	, .
W. Robinson, Providence, Rhode Island Wheels, machinery to supersede. J. Cooper, Staunton, Va.	March		
Washing machine. Richard V. Mudge, Deerham, New York	March April		
Weaving wire harness. Ezra Brown, Cazenovia, New York	April	19	
Washing machine, rocking. J. G. Philip, Kinderhook, N. Y.	April		
Water wheel, conical. Roswell Wilcox, Franklin county, N. Y.	April		
Water wheels, relieving from back water. Jare Benedict, Fa-	Eprii	1.0,	
bius, New York	May	10.	ير
Water wheels and flumes, constructing. Asa Messer, Provi-	maj	•0,	٠
dence, Rhode Island	May	18.	
Wind mills, in the construction of. W. Coburn, Gardiner, Me.	June		
Well bucket, mode of emptying the. Elijah Willard, Egre-			-
mont, Massachusetts	June	15,	A a.
Water wheels, mode of applying water to D. M. Kenzie, M. L.			
Baker, S. Dear, J. M'Naughton, Caledonia, New York	June	19,	
Washing machine, improvement in the. S. Church and Hiram			
Clark, Utica, New York	July	6,	**
Water wheels, mode of letting the water on. Thomas Keys,			
Henry county, Georgia	July		
Wind mills, improvement in. Moses Padly, Ontario, N. Y.	Aug		
Wheels, improvement in for boats. John J. Giraud, Balt.	Sept	15,	
Water from wells, mode of drawing. Elijah Willard, Egre-		00	
mont, Massachusetts	Oct.	23,	4~
Water wheel for propelling boats. Benjamin Raymond, jun.	1	10	
Beverly, Massachusetts	Nov	13,	***
Washing machine, improvement in the. Burroughs Beach, N.	Nov	o.i	
Milford, Connecticut Washing machine. David G. Dunham, New Brunswick, N. J.	Dec	7	
Wheel for propelling boats, paddle. Wm. F. Kearsing, N. Y.	Dec	8	grafer mater
Wool and other fibrous substances, manufacturing. J. Gould-	Dec	0,	-
ing Dedham, Massachusetts	Dec	15.	7.5
Water and other fluids, heating and boiling. George J. Payne,	200	10,	
Lockport, New York	Dec 5	27.	
Wheels for carriages, making the hubs of. Garretson Lyon, N.Y	Dec S		
Water for cattle, machine for drawing. I. Willbur, Madison, N.Y.	Dec 2		
Wind mill, improvement in the. T. P. Jones, New Castle Del.	Feb		
Wheelwrights' assistant. John Sitton, Pendleton, S. C	Feb 1		
Washing machine, improvement in the. Chester Stone, Middle-			
bury, Connecticut	Feb 1	17,	2=
Watch seals, improvement in making. S. Davis, H. and P. Bab-	1		
	Iarch	~	ga.140
	Jarch	,	
	Iarch 1	ιο,	~~
Watch keys, improvement in making. Joseph S. Davis, Provi-	A	9	
	April	3,	
Wood, machine for the use of those who work in. Jeremiah Baily, Philadelphia	April	7	
	April 1		-
Wool, &c. improvement in the manufacture of. John Gould-	April 1	υ,	
	April 2	7	-
Water wheel, mode of letting the water on. Robert and Thos.	,.p	٠,	
T. M'Culloch, Albemarle county, Virginia	May 2	6.	40
	.,		
Y	,		
		ش	1000
Veilow paint, mode of preparing. B. A. Carrendeffez, N. Y.	Sept :		
Yarn beam for looms. Simeon Pette, Foxboro', Mass.	June 1	o, 1	813
Yarn, machine for sizing and dressing. Paul Moody, Watham,	Jan F		010
Massachusetts	Jan	f. 1	510

SUPPLEMENT

TO THE

LIST OF PATENTS CONTINUED.

THOM TOWN, TOWN, TO MERCE, 1020.			
A A			
ANTHRACITE coal, culinary vessels for. Jacob F. Walter, Phil'a Ju	ma	Q	1827.
Artificial stone, mode of making. R. McKay, D. McKenzie,			
	Jan. 1 Feb. 1		1020.
Archimedean screw, in the. Perry Harris, Preble c'y, Ohio, Ma			
Axle, in the common carriage. D. W. Phillips and W. Maker, Govington, New-York	pril 2	3	•
Atmosphere propelling engine. Edward Allen Talbot, Dublin,	/1111 Z	•	
Ireland • • • • • • • •	June	21.	
		ĺ	
В.			
Boilers, impt in the steam engine. John Poole, Sheffield,	April:		
England	May	14, 14	
Boilers, Do. Ebenezer A. Lester, Boston, Bedstead, impt. in the portable. Jacob Daley, Baltimore	May	14.	1
Bridges, impt. in building wooden. Garner Wilkinson, White	nauj .	,	
Creek, New-York	May :	15,	
Bridges, in making the ribs or arches of. John P. Bakewell,	3.4		
	May :		
Blower, impt. in the coal grate. R. Fuller and Thomas Thomas,	May	10,	
	May 2	2.	
Boilers for steam engines, impt. in. Isaac Doolittle, Bennington,		,	
Vermont	June	1,	
	June :	11,	
Boring earth, machine for. John R. Frailing, Canajoharie,	-	. ~	
	June :	13,	
Boats, impt in the means of transporting from one canal to another. Robert P. Bell, of New-York	July 1	13	
Buildings, impt. in the mode of moving. Simeon Brown, of N. Y.			
Bed sackings, impt. in the mode of tightening. John K. Simp-		,	
son, Boston, Massachusetts	lug.	10,	
Boats, impt. in the combination of. Thomas Thorpe, City of			
Washington	ug. 3	31,	
Brick and tile, machine for moulding. E. Fisk and B. Hinkley,	C	ò	
Fayette, Maine Balance, impt. on Dearborn's patent. Samuel Blaisdel, Lancaster	Sep.	۰,	
	, Oct. 1	10.	
	Oct.		
Bobbin tube, for spinning, impt in the. Benjamin Hutchinson,		•	
Philadelphia	Oct. 1	8,	
Barrels, hogsheads, &c. machine for making. William and Mar-	T ?	01	1000
	Jan'y	24	1828.
Brick, impt. in the machine for making. David Rising, Colchester, New York	Jan'y S	20	
Bending sheet iron, for boilers, &c. Calvin Post, Spring Post,	an y z	٠,,	^
	arch 1	1,	
Boring rocks, in the machine for. Isaac Overall, Liberty, Smith			
	irch 1	4,	
Brick, in the mode of moulding, &c. David Flag, junior, Gardiner, Maine	arch 1	19	
Bark, in the machine for grinding. Aaron Bull, Caroline, N. Y. Ma			
Bellows or blowing machine, in. Elijah Brady, Mount Pleasant,		,	
	April	3,	
C.			
Carriages, impt. in riding wheel. Wm. and Josiah Jessop, Guilford county, North Carolina	lune	1.	1827.
Cheeses, applying nets to pine apple. L. M. Norton, Litchfield,		-9	
	lune	4,	

Churning butter and pumping, machine for. Nathan Whitney,	_		_
Augusta, Maine		7, 18	2
Cider, ma. for grinding apples for, or for mixing mortar. Tho mas Streeter and James S. Wilbert, Chili, New-York		19	
Cork cutter, impt. in the. Luther Hills, Boston	June June		
Crimping boots, impt. in the mode of. Samuel Morehouse, East		, 10	
port, Maine "	June	19.	
Cements for roofs or walls of buildings from impt. Charles Cl	in	,	
ton, of New-York	July	13,	
Canals, mode of conveying earth or other substances, the bottor	n	, .	
of. Oliver Phelps, Lansing, Tompkins c'y, New-York	July	16,	•
Crane, impt in the portable. Ezekiel Mann and Geo. Hill, Roche		04	
ter, Monroe county, New-York	July	21,	
Cordage, impt. in the mode of making. Robert Graves, Brookly		95	
New York Canal boats, impt in the mode of passing. Robert Graves,	July	239,	1
Brooklyn, New York	July	26	
Cutting wheat, &c. impt, in the machine for. Laban Durham	oury	20,	
and John S. Pleasants, of Halifax county, Virginia -	July	28.	
Coach alarm, impt in the. Walter Hunt, New York	July		
Chimney smoke and safety valve, impt. in the. Jos. H. Schreine	r,		
Philadelphia	July	31,	
Card teeth, improvement in the machine for cutting Joshua			
Lamb, Leicester, Massachusetts	Aug.	1,	
Cotton Cleaner, impt. in the. Jesse Reed, Marshfield, Plymouth		10	
Cones, improvement in gearing. Truman F. Mayhew, Boston,	Aug.	10,	
Massachusetts	Aug.	99	
Cement, improvement in making aqueducts by means of. John		22,	
N. Benham, Bridgewater, Oneida county, New-York	Aug.	29.	
Carding machine, impt. in the. John Tillow, Newton, Fairfield c'	7,	,	
Connecticut	Sept.	8,	
Churn, impt. in the. Daniel Sheldon, Pulteney, New-York	Sept	13,	
Cradle, hydrostatic steam. Charles Miner, Lyme, Connecticut George Rawlings, Philadelphia	Oct.		
Corks, machine for cutting George Rawlings, Philadelphia	Oct :	30,	
Calico printing, making rollers for by etching. D. H. Mason an		en'	
M. W. Baldwin, Philadelphia Clocks, impt. in the construction of. Harrison G. Dyar, N Y.	Oct. Nov.		
Combs; in making ornamental hair. Uriah Bailey, West Newber		0,	
ry, Massachusetts	Nov.	15.	
Cradle, impt. in the hydrostatic steam. Charles Miner, Lyme,			
Connecticut	Nov.	16,	
Combs, impt. in the backs of tortoise shell. Nathaniel Bishop,	3.9		
Danbury, Connecticut	Nov.		
Chain, improvement in the frame. David Leslie, New-York	Nov.	19,	
Carriages, improvement in four wheel. Theodore Brooks and	D	_	
Daniel W Eames, Rutland, New-York Churn, or fluid agitator. Samuel H. Baker, Wells Township,	Dec.	0,	
Pennsylvania	Jan.	10, 182	9
Cloth, vibrating machine for napping. Samuel Duncan, North-	· · · · · · · ·	10, 102	
ampton, New-York	Jan.	21,	
Cotton, machine for packing. Wm. J. Coke, Cabin Point, Sussex	,		
county, New-York	Feb.	4,	
Canal steam boat. John F. Wight, Erie, Pennsylvania -	Feb.		
Cooking apparatus, &c. Ezekiel E. Bennet, Kingsbury, N. York			
Cooking stove, in the. Daniel G. Garnsey, Pomfret, New-York I			
	larch	4,	
Cast iron shoes, mode of making. Icabod Arnold, Oswegatehie, New York	Aarch	12.	
	Iarch :		
	Iarch		
Coopers' work, machine for making. Hiram Waters, Water		171	1
town, New-York	April	3,	
*0			
D.			
Dividing engine, for scales, guages, &c. Lemuel Hedge, Wind-			
sor, Vermont		20, 182	7
Distilling, impt. in the art of. John M. Aikin, Philadelphia	Aug.	30,	

June 20, 1827. Aug. 30,

Distilling, impt. in. Wm. J. Cocke, Surrey county, Virginia Do. James Lusk, Butter county, Ohio Do. Wm J. Cocke, Cabin point, Sussex c'y, Virginia	Oct. 30, 1827. Dec. 22, L. Feb. 4, 1828.
Distilling by steam. Benjamin Barr, Strasburg Township, Penn	
E.	
Engines, impt. in manufacturing steam and rotary wheel. Francis Harris, Albany. New York	July 10, 1827.
Engine, improvement in the steam. Warren P. Wing, Greenwich village, Hamsphire county, Massachusetts Excavator, impt in the floating. Harvey W. Campbell, Lock-	Aug. 17,
port, New-York Excavator, or self loading cart. Waldren Beach, Philadelphia	Jan. 22, 1828, Feb. 5,
F.	
Fur, impt. in the machine for separating. Jno. McDonald, N. Y. Fur cutters, cant twist blades for. Chs. C. K. Beach, Portland,	
Maine Flax, ma. for breaking Henry Schoonhaven, Pulteney, N. Y. Fur, impt. in the ma. for cutting Michael Petre, Womelsdorf,	Nov. 10, Dec. 11,
Berks county, Pennsylvania, Flax and hemp dressing ma. Jno. C. Wenzel, Louisville, Kent'y Flax and hemp dressing ma and for hulling grain and rice.	Dec. 20, Jan. 17, 1828.
Evans Christian, Town of Philadelphia, New-York Flax, impt. in the ma. for swingling. Samuel Achey, Heidle-	Feb. 8,
berg Township, Pennsylvania Fire engine, impt. in the. Ezekiel Daboll, Canaan, Connect't A	Feb. 18, April 12,
G.	
Gun locks, impt. in percussion. Marvel C. Davis, of Mayville,	
Chatauge county, New York	July 10, 1827,
Gas lights, impt in the manufacture from cotton seed. Denison	1.1.01
Olmstead, N. H. Connecticut Glass knobs, mode of pressing. John Robinson, Pittsburg, Penn	July 21,
Glass, mode of pressing with a core. P. C Dummer, Jersey City, New Jersey	Oct. 16,
Glass formed by a combination of moulds. G. Dummer, P. C. Dummer, and Jas. Maxwell, Jersey City, New Jersey	Oct. 16,
Gates for locks, impt. in. Daniel Rogers, Little Falls town, Her- kimmer county, New-York Gasses from anthracite coal, mode of generating. M. Ward and	Jan. 4, 1828.
Richard W. Hall, Baltimore	Jan. 19,
Grailing ma. impt. in the. Philo Pratt, Meriden, Connecticut Gold and silver, separating earth from. Wm. H. Folger, Spon-	Feb. 12,
tenburg Dist. South Carolina	Feb. 13,
Н.	
Hewing and hammering stone, impt. in the machine for. Charles	
B Read, of West Bridgewater, Plymouth county, Mass'ts Horse harness or horse yoke, impt in the Adolphus Allen, of	June 27, 1827.
	June 29,
Renssalaer county, New York Harrow and plough hoe, impt. in the. Isham Cheatham, Provi-	July 28,
dence Inn, Chesterfield county, Virginia -	July 31,
Hydraulic elevator, impt. in the David Corey, York, Pennsyl'a	Aug. 31,
Hoe, impt. in the prong. Jos. Wilson, Marlborough, N. H. Hydraulics, impt. in. Jacob Roup, Kenawa county Virginia,	Sept. 20, Oct. 6,
Hats, water proof stiffening for Stephen Hemstead, junior, St. Charles county, Missouri [re-issued Oct 26, 1827.]	May 25, 1827.
Heat; application of the spare to making salt, &c. Alexander	
Brown, Salina New-York	Oct. 30,
Hubs, cast iron or other metal Benja'n Lyman, Manchester, Conn Hydrostatic and hydraulic elevator. Jas. McCreary, Noblestown,	
Pennsylvania	Jan. 5, 1828

Hubs for carriage wheels, impt. in. Hercules Thomas, Midway,	
Massachusetts - Jan. 8, 1828 Horse mills, in the lever for working. John Galbraith, Maury	;.
county, Tennessee March 6.	
Heat, in the revolution and management of. Elipt. Nott, Sche-	
nectady, New-York Hydraulic engine, in the revolving. Ashel Hubbard, Windsor,	
Vermont April 22,	
Inclined and vertical tread wheel. Cornelis Watson, Addison	
Township, Ohio, Dec.22, 1827	r.
Ivory, machine for junking. L. Pratt and F. Bush, Meriden, Conn. Feb. 9, 1828 Ivory plates for combs, ma. for slitting. Philo Pratt, Meridin, Conn. Feb. 12,	3.
tvory places for combs, ma. for shering, t find t fact, McFidin, Com. Feb. 12,	
. K.	
Kent bugle, impt. in the. Richard Willis, West Point, N. York Nov. 10, 1827	•
I.	
Loom, impt. in the power of delivering the yarn. Wm. B. Leo-	
nard, Fishkill, New-York May 23, 182	٠.
Do. taking up the cloth Do. Do. May 23, Loom impt. in the, for weaving figured goods. Horace Baker,	
North Salem, West Chester county, New-York - Aug. 30,	
Leather, impt. in the mode of tanning. Osmond Cogswell, Cincinnati, Ohio - Sept. 18,	
Lever power gained. E. G. Fitch, Blakely, Alabama - Oct. 5,	
Laths, machine for making plastering. Thomas Wright and	
Abram P. Howell, Cincinnati, Ohio Oct. 9, Lock, 'ever percussion gun- John Ambler, jr. S. New-Berlin,	
New York Oct. 16,	
Lathe, impt in the turning. Jefferson Moore, Leveritt, Mass. Jan. 12, 1828 Lotteries, impt in the mode of drawing. Wm. E. Spalding,	3.
Brooklyn, Connecticut Feb. 15,	
Loom, for satinetts, in power. R. Mitchell and N. Butterworth,	
Troy, Massachusetts March, 22, Leather, knifes for cutting sole. Luke Marble, Henerietta, N. Y. March 28,	
Lock for the wheels of carriages. George Diven, Franklin	
county, Pennsylvania April 14, M.	
Mill for grinding grain, impt. in the. Robert S. Thomas, Rockin-	
ham, North Carolina June 4, 182	7.
Mill, impt in the grist. Sam'l Sawing and James Monteith, Statesville, North Carolina June 11,	
Mill, impt in the grist. Wm. W. Forward, Harford c'y, M'd June 15,	
Mill, impt. in the sugar loaf. Sidney and Portius Moore, Tir-	
zah, North Carolina - June 15, Mill, impt. in the grist. Wm. A. Turner, Plymouth, Washington	
county, North Carolina June 27,	
Morocco, ma for dicing, polishing and rolling. Sam'l Couillard jr. Boston, Massachusetts June 27,	
Mortissing ma impt. in the. Simon Leroy, Mexico, Union	
Square, Otswego county, New York July 10, Mill, impt. in the grist. Washington Adams, Guilford county,	
North Carolina July 18,	
Do. Avery and John Coe, of Guilford county, N. C. July 21,	1.
Mill stone, impt. in the bush for a. Nathan, Taylor, Urbana, Steuben c'y New York July 23,	
Mill, impt in the tide. Robert Spedden, Talbot county, M'd Aug. 1,	
Manufacturing, impt. in the mode of. Jno. Goulding, of Dedham, Massachusetts Aug. 24,	
Mill, impt. in the cast iron, for grinding bark. William Torrey,	
Westbrook, Maine Sep. 13.	
Mill impt. in the tanning. Enoch Walker, Springfield, 4 corners, Pennsylvania - Sep. 20,	
Mortissing and tenoning ma. John McClintic, Chambersburg,	
Moccasin, impt. in the water proof. John Syms, New-York Nov. 10,	
broom promise broom again white broom troll to	

Marble, impt. in imitating all kinds of. Benjamin Trembly, N. Mill, impt. in the grist Jas. Robison, Buckskin Township, Ohi	Y. Nov. 13, 1827. o Dec. 11.
Mortising ma. impt in the chisel of. A. Greenleaf and H.	
Amidon, Mexico, New-York	Dec. 28,
Mortising ma. impt in the. J. J. Kellogg, Richmond, New-Yo Mill, impt. in the grist. Wm. L. Taylor, McMinn c'y, Tenness	
Medicine, impt. in. Truman Powell, Burlington, Vermont	Feb. 2,
Marble, impt. in the machine for cutting and polishing. Arch	i-
bald McAllister, Salem, New-York Will impt in the grid School Helland Hangyon Ohio	Feb. 18,
Mill, impt. in the grist. Samuel Holland, Hanover, Ohio Admiral Warren, Saugerties, N. Y.	
Medicine, impt in. Fitzgerald Bird, Hancock, Georgia -	
0.	
Oven, for baking over a furnace. Eli Moody, Northfield, Mas	ss. April 5, 1828.
P.	0
Press for cotton or hay, impt: in the. T. D. Wilson, of Corydo	on,
Indiana	June 6, 1827.
Plough, impt in the. Wm. Beach, of Philadelphia	June 27,
Printing press, impt. in the hand. Samuel Couillard jr. Bosto Massachusetts	on, July, 14,
Piston, rotative, impt. in the. John M. Cooper, Guildhall, Esse	3 triy, 14,
county, Vermont	July 16,
Plough, impt. in the. Geo. Doffer, Fredericktown, Maryland	Aug. 20,
Plane stock, impt. in the. Hazard Knowles, Colchester, New- London county, Connecticut	Aug. 24,
Percussion gun locks, impt. in. James B. Lowry, Mayville,	2105, ~1,
Chautague county, New-York	Sep. 11,
Printing press, impt. in the. Samuel Couillard, Boston, Mass. Planing machine, impt. in the. Josiah Riehm, Savage factory M	Oct. 5,
Percussion gun lock, impt in the. Joseph Shuttuck, Jefferson of	
Ohio	Nov 10,
Punching copper, machine for. Wm. Ballard, Boston	Dec. 6,
Peggin jack, impt. in the windlass. Samuel Nourse, of Danver Massachusetts	rs, Dec. 8,
Plough, impt. in the bar-shear. Eli Pugh, Chatham c'y, N. C.	Dec. 24.
Plough, called the cotton planter. Bird Murphy, Union Dist. S.	C. Dec 31,
Plough, impt in the. Wm. Wiard, Avon, New York Presses for hay, &c. impt. in. Moses B. Bliss, Pittstown, Maine	Jan. 26, 1828. e Jan. 26,
Paint impt. in making oil Alexander Thompson, Betheny, N. J.	
Pills, impt. in the Rheumatic. Ezra Deane, Biddeford, Maine	Feb. 2,
Pressing horn with steel plates. Uriah Bailey, of West Newbu Massachusetts	
Printing press, impt in the. J. C. Holbrook and E. H. Thoma	Feb. 2,
Brattleboro', Vermont	Feb. 7,
Do. Do. Do	100
Paper, in material for making. Wm. Magaw, Meadville, Crav ford county, Pennsylvania	v- March 8,
Ploughs, in the construction of. Richard Loveridge, Knox	march o,
county, Ohio	March 8,
Plaughs impt in Che Howard Kingham Massachusetts	March 10,
Ploughs, impt. in. Chs. Howard, Kingham, Massachusetts Propelling boats, &c. impt in the mode of. Timothy Davis, La	March 10,
rence, Indiana	March 15, 1828.
Piano fortes, impt. in. C. F. L. Albrecht, Philadelphia	March 18,
Pump logs, machine for boring. Sam'l Draper, Camilus, N. Y. Paper making, from the Ulva Marina. Elisha H. Collier, Lon-	March 31,
don, England	April 16,
Press frame, impt. in the standing. Robt. Hoe, New-York	April 22,
n	
Rail-way carriages impt in the construction of Richard P	
Rail-way carriages, impt. in the construction of. Richard P. Morgan, Stockbridge, Massachusetts	July 27, 1827.
Rack, flexible, for operating on ships' carriages. J. Wood	y, ~! , xo., .
and P. A. Sabbaton, New-York	Oct. 6,

Massachusetts

Rice, coffee, machine for cleaning and polishing. Elijah Wilde	r,
Jersey City, New Jersey	Nov. 19, 182
Rake, impt in the common hay. Ambrose Foster, Auburn, N.	Y Dec. 6,
Rail-way, transporting carriages on. Moncure Robinson, Henrico)
county, Virginia	April 9, 182
S. '	
Saw mill, impt. in the. Anthony Bencine, Milton. Caswell	
county, North Carolina	June 4, 182
Spinning cotton and wool. ma. Wm. Church, Birmingham, Engl'd	June 11,
Still, impt in. Malcolm McGregor, New-York	June 15,
Steam, impt in the. John Maynard, Ovid, New York	June 15,
Schalgiola, impt. in making. Salvadore Pinistri, New-York	June 18,
Suspenders, impt in the. Edwin Chesterman, New York	June 19,
Sawing shingles, machine for Nathan Swift, of Lebanon, Conn.	. June 27,
Spinning wool, machine for. Benjamin Laphan, of Queensbury	
Warren county, New-York	June 29,
Seive wheels, impt. in preventing friction on spindles. J. G.	Tules 6
Shoulze, Pickaway Township, Ohio	July 6,
Screw auger, impt. in the. Judson Smith, Derby, New-Haven	July 12
county, Connecticut	July 13,
Spindle, impt in the. Benj'n Brundred, of Oldham, Bergen	Tuby 14
county, New-Jersey Spirits impt. in fermenting and distilling. Ira Belnap, Millers-	July 14,
burg. Dauphin county Pennsylvania	July 20,
Staves, impt. in the mode of making coopers'. Amory Akmodel	n
Bloomfield Ontario county, New-York	July 27,
Spinning machine, impt. in the Wm. W. Jones, Thornville, Per	
ry county, Ohio	July 27,
Straw cutting machine, impt. in the. Saban Durham and I. S.	outy ~1,
Pleasants, Halifax, Virginia	July 27,
Stone, impt in dressing, drilling, cutting, &c. Hermon Bourne	
of Salem, Essex county, Massachusetts	Aug. 3,
Sack shoulderer, impt called the. Lewis Rice, of Clarksboro'	,
Gloucester county, New-Jersey	Aug. 3,
Stumps, impt. in the machine for removing. Abijah Pratt, of	
Jackson, Washington county, New-York	Aug. 17,
Spirits, impt. in the method of determining the proof of. Wil-	
liam Cornell, Brooklyn, New-York	Aug. 20,
Sofa & bedsteads, impt. in the Jno R. Penniman, Boston, Mass.	Aug. 22,
Scouring, impt in the mode of. Jno. Goulding, Dedham, Mass.	
Shuttle, impt in the mode of throwing in weaving. Do.	Aug. 25,
Saw, impt. in the. (two edged saw) Moses Cass and Aaron	. 01
Bull, Caroline. Tompkins county, New York	Aug. 31,
Syringe, pitch, impt. in the. Daniel Flint, Nobleboro', Lincoln	A 01
county, New-York Shingles, impt on P. Hawe's machine. Geo. A. Hoard, of Ant-	Aug. 31,
werp, New York	Sep. 20,
Shingles, impt. in the machine for cutting. George W. Dana,	Sep. 20,
Louisville, New-York	Sep. 20,
Scurvy, vegetable composition for curing. James U. Armour,	БСр. 20,
Fredericktown, Maryland	Sep. 28,
Saw mill, impt. in the. Anson B Graham, Lee, Massachusetts	Sep. 28,
Saw teeth, apparatus for setting. John Boggs, Philadelphia	Oct. 4,
Sleigh shoe, &c. impt in the cast iron. Edward Trask, Sanger	
field, New-York	Oct. 6,
Shingles, impt. in the machine for making. Oliver Wheeler,	
Rochester, New-York	Nov. 10,
Saw mill, impt. in the reciprocal. Wm. Kendall, Jun Waterville,	
Maine,	Oct. 23,
Steam, application of the escape. David Embree, New Richmon	
Ohio,	Dec. 3,
Spring and stiffner, impt. in the rest. James G. Shute, Boston	Dec. 5,
Saw mill, impt in the Benjamin Overman, Greensboro', N. C.	Dec. 11,
Submarine propeller, impt. in the. Elijah Bryan, New-York	Dec. 22,
Spectacles impt. in the common. S. Newton, Washington, D. C.	Dec. 22,
Spinning cotton bagging from cotton. John E. Dewees, Mason	D 1 00
Sheaves for ching' blocks cost in a Brancia Samura Blows at	Dec'r 28,

Saw mill; in the reciprocating. Wm. Kendall, Watterville, Ma Steam generator, impt. in the tubular. Reid R. Throckmorton	,		
New-York Spring saddle, impt in the. Thomas Harvey, Middleton, Del'ar	Jan'y e Jan'y		1828.
Screw, water wheel, impt. in the. Ebenezer Beard, Charlestown, Massachusetts	Jan'y	25	
Stove, impt in the cooking. Robert C. Rouse, Athens, N. Yor	k Jan'y	26,	
Steam engine, impt. in the. Simeon Broadmeadow, of New-You	k Jan'y	29,	1828.
Steam engine, spring teeth rack frame for the. William Willis Charleston, South Carolina	Feb'y	1,	
Steam engine, impt in. John J. Giraud, Baltimore	Feb'y		
Straw cutting machine. Warren Cummins, Livingston county, New-York	Feb'y	11	
Steam engine, impt. in the high pressure. Isaiah Jennings, N. Specific steam engine, impt. in the. A. S. Kirk, Smithfield			
Township, Ohio	Feb'y	13,	
Stone, machine for hammering and cutting. Joseph Richards Braintree, Norfolk county, Massachusetts	Feb'y	20.	
Steam boilers for stone coal. James G. Wilson, New-York	Feb'y		
Spinning wool and flax, machine for. Theodore Thomas Abb Greenland, New Hampshire		96	
Scythes and shovels, &c. in making cast steel. E. H. Bulkele	Feb'y	20,	
Colchester, Connecticut	Feb'y		
Sugar, impt. in the mode of clarifying. Wm. J. McIntosh, Geo. Steam; in generating gas or. E. A. Lester, Boston	March		M.
Steam, in the application of. Jos. Skinner, Mantua, Ohio	March	_	
Sawing shingles, machine for. Cheney Read, Western, Mass	s. April	2,	
Т.			
Tire, impt. in the machine for bending. Walter Janes, Ashfor			
Windham county, Connecticut	July	14.	1827.
Thrashing and winnowing, and flax breaking machine. Edmu Warren, New-York	Aug't	11.	
Thrashing, impt. in the machine for. Peter Barker, Worthington, Franklin county, Ohio	Aug't	20,	
Thrashing machine, impt. in the. E. B. Pike, Litchfield, Maine Trip hammer propelled by the foot. E. Pierce and Jos. Hatha way, Pulteney, New-York			
Types, impt. in the mode of casting. S. Sturdevant & Edwin	Oct 1	13,	•
Star, Boston	Oct'r	23,	
Turning rake and hoe handles, machine for. William Shepard son and Jos. C. Sperry, Hamilton, New-York	Dec'r	3.	
Turning rake handles, machine for. Anson Sperry, Rotten-			
dam, New-York Turning impt in the mode. Jonethan Sparrow, Portlyd Maine	Dec'r		
Turning, impt in the mode. Jonathan Sparrow, Portl'd, Maine Thrashing grain and grass seed, machine for. David W.			
Webster, of Amesburg, Massachusetts Thrashing ma. impt. in the. Elias B. Hort, Charleston, South-	Feb'y	9, 1	.828.
Carolina	Feb'y	18,	
Thrashing rice and small grain, machine for, Edmund Warren		00	
New-York Thrashing machine, in the. Michael First, of Union Town, Md	Feb'y . March		
Tobacco, in the mode of curing. Martin and Thomas Baker,		٠,	
Louisa county, Virginia	March	•	
Tongs, in cast iron. Enos H. Buel, Marlborough, Conn. Thrashing machine; in the. William Loomis, Springfield, New-York	March	_	
Tar Jack, called the. Hezekiah Salisbury, Springfield, Mass.	March	,	
Trip hammer in the. Levi Rosenkrans, Big Flat, New-York	March	17,	
Teeth, in terro metallic. Anthony Plantou, Philadephia	April	5,	
Vitualler, impt. in the Economical. Benjamin C. Burdett, City			
of New-York	Aug't	4,1	827.
Vessels, impt. in the mode of heaving down. John Crownin-	Oct'r	9	

w.

Water wheel, inclined revolving. Thomas D. Wilson, Coryc	don,
Indiana	June 7, 1827
Water wheels, mode of letting the water on. Jacob Amme	on,
Rockingham county, Virginia	June 8,
Washing machine, impt. in the. David Beard, of Buffaloe, N	
Wool, impt. in the mode of manufacturing. John Goulding	
Dedham, Norfolk c'y, Massachusetts	July 10,
Wool and cotton, impt. in the machine for roping and spinn	
by hand Henry Wilson, Pomfret, Chataugue c'y. New-Y	
Water wheel, impt. in the up and down. Henry Miller, All	
ton, Northampton, Pennsylvania	July 28,
Wooden ware, impt. in the manufactory of hollow. Elisha	
Briggs, Perry, Gennessee county, New York	July, 30,
Water, impt. in the method of cooling. Wm. Thornton, Ci	ty of
Washington, District of Columbia	July 31,
Water wheel impt. in the. James Deniston, Sanier Townshi	
Preble county, Ohio	Aug't 22,
Wool, impt. in the extracting of grease from. John Gouldin	ng,
Dedham, Massachusetts	'Aug't 24
Washing machine, impt. in the. Moses Cass, Caroline, Ton	
kins county, New-York	Aug't 29,
Water wheel, impt. in the screw-spiral E. Skinner, Sandwic	
New Hampshire	Sep't 11,
Wheel, impt. in the propelling water paddle. John J. Giraud	
Baltimore	
	Sep't 18,
Washing machine. Franklin Kellsey, of Middletown, Conn	
Weight, propelling machinery by. Cain Broyles, Tellico, Te	
Water wheel, mode of letting water on. Michael Hildebran	nd,
McMinn county, Tennessee	Nov'r 10,
Water, mode of retaining and discharging. Bradford Seymo	our,
Westmoreland, New-York	Nov'r 10,
Water proof, making leather. David Kizer, New-York	Nov'r 19,
Washing cloths and shelling corn, machine for. Benjamin	2101 1 10,
	Nov'r 23,
Rice, Denmark, New York	
Warming and heating rooms, impt in. A. McAllister and J.	D 1144
Iggett, Salem, New-York	Dec'r 15,
Water proof leather and cloth, making. J. L. Comstock, Ha	
ford, Connecticut	Jan'y 21, 1828.
Water wheel, impt. in the. Joseph Torny, Ravenna, Portage	e
county, Ohio	Feb'y 20,
Windows' shutters, impt. in the fastenings for. Truman Bar	
lomew, New-York	Feb'y 19,
Wicks for candles, cotton yarn for. George Dickinson, N. Y	
Water wheel, impt. in the spiral. James Kelly, Jackson c'y, O	
Water, in the mode of purifying and filtering. Christopher	7 14 60
Hall, Norfolk, Virginia	Feb'y 22,
Window sashes, cast iron. Isaac McNary, Stafford, Conn.	Feb'y 23,
Water, impt. in the pressure of. George M. Gibbs, Pr Willi	iam
Parish, Beaufort District, South Carolina	March 10,
Wash stand, in the construction of. John Williams, Baltimor	e March 15,
Washing, churning, working butter, ma. for. R. R. Palmer,	
Caroline Township, Tompkins county, New-York	March 21,
Washing machine; in the. Aaron Bull, Caroline, New-York	March 28,
Water; in the mode of raising. Jos. S. Fox, Cattaragus c'y, N.	Y. April 5,
Υ.	
Yards of vessels, mode of slinging the. Isaac Carver, junior,	
	Dec'r 11, 1827.
Prospect, Maine Verds of vessels in the mide of suspending the Samuel	Dec 1 11, 1027.
Yards of vessels, in the mode cf suspending the. Samuel	Tom2="60 1000
Adams, Wells, Boston	Jan'y 23, 1828.

THE NAMES OF PALENTEES,

WITH THE DATES OF THEIR PATENTS.

Anderson, Alex. Sept. 2, 1794. 26, 1801. Jan. 26, 1801. Aug. 1801. Jan. 26, 1801. Jan. 26, 1 Aug. 21, 1812. Aug. 21, 1812. 27, 1813. Allivine, Lawrence. Feb. 24, 1 Austin, Cyrus. Dec. 14, 1798. Abbott, Henry Jan. 24, 1799. March 30, 1813. Allison, Burgiss. May 12, 1802.	. 21, 1901. Oct. 797. ay 4, May	Armistead, William. Nov. 13 Arnold, Daniel C. Dec. 15 Abbot, Miles H. Feb. 26 Alger, C. March 30, 1811. Ma 18, 1814. Atherton, Daniel. April 26 Andrews, Mark. May 4 Armat, Thomas. May 10 Atkinson, Joseph. Sept. 5 Avery, Alex. H. Sept. 30	ib. ib. ib. ib. ib.
1803. July 6, 1809. April 27, 1 March 3, 1813. June 28, 1814. 10, 1818	.809	Anderson, L. and D. April 20, Allison, Nath. and Ben. Rugles June 5	131у. s. <i>ib.</i>
Ditto and John Hawkins—Dec. 1802. Ditto and R. French, June 8, 180		Adam, Paul. June 19 Astolfi, Lawrence. Nov. 20 Achman, Jehn. Dec. 30	; ih: ;5. i5.
Ditto and W. Elliot, March 11, 1 Aveilhe, J. J. Baptiste—Mar. 16, 1 Aug. 15, 1802. Aug. 28, 1817.	819.	Alexander, M. Jan. 14. Oct. 27 Abbet, Henry, March 30 Atwater, Caleb June 2	
	1803 <i>ib.</i> <i>ib.</i>	Anderson, Henry. Oct. 27 Allison, R. and N. S. March 26, Adder, Joshua W. April 19	i5. 1814 ib.
Allen, A. D. May 10. May 10, 1 Ditto. J. Roberts, and E. Kelsey. Sept. 2		Asinesley, Robert. April 27 Audrews, J. May 27, 1814. Aug 11, 1817. Aug. 11, 1817.	25.
Arthur, Daniel. May 4, Abraham, James. Dec. 20 Adams, Samuel. Dec. 28	1805 ib. ib.	Averille, Isaac W. Nov. 5 Antrim, Pinder. Nov. 25 Arnold, Samuel. Jan. 25	ib. ib. 1815
Arnold, Thomas. March 5, Arnold, Jesse. Oct. 26,	1806 1807 1808	Allen, Simeon. April 1 Atchison, William. May 23 Ayres, W. and J. Cochran. Oct. 6	ib. ib.
Armour, jun. James. June 27 Apple, Philip. July 13 Atwell, Benjamin. Sept. 19	ib. ib. ib.	Allen, Charles Louis. Oct. 13. Adams, William. March 1 Andrews, James. July 15	ib. 1816 ib.
Adams, Stedman Nov. 21 Adams, R. Dec. 8, 1808. March	ib.	Andrus, James. July 30 Annesley, William. Sept. 12	ib. i5.
Allen, Phineas. May 13	1809 <i>ib</i> .	Azam, Pierre. Sept. 24 Adamson, John. Dec. 13 Ayres, William, and Herman Gray	
Ames, O. June 24, 1809. April 25, 1810. Atwell, Ben. July 18	iб.	Aug. 13 Allen, Andrew. Dec. 26 Armstrong, Stephen. April 7	1817 <i>ib.</i> 1813
Ditto and I. Nichols. Oct. 14 Abricks, Jacob. Oct. 11 Applegate, Sam. Thomas Howard	ib.	Adams, John. April 16 Arnold, Peley. Aug. 1 Audler, Ezekiel. Oct. 21	ib. ib. ib.
and B. H. Wharton. Nov. 22	<i>i5.</i> 1810	Adams, Daniel. Feb. 3 Ambler, James. May 29	ib.
	1		3

Bailey, Francis. Jan. 29, 1791. 31, 1809. Oct. 9, 1806. Brigs, Samuel. August 2, 1791. Batterman, Christ. Jan. 17, 1793. Bailey, John. Feb. 23, 1792. March Brouwer, Sam. Aug. 17, 1793. Nov. 5, 1810. June 19, 1812.

July Biddis, J. & Bedwell Thomar. Aug. 10, 1791.

<u> </u>	
Babcock, Ebijah. Dec. 2, 1793.	Bryant, E. Jan. 13, 1806: March
Biddis, John. March 31, 1794. May	18, 1818. March 28, 1820.
6, 1800. March 22, 1802.	Burr, Theodore. Feb. 14 1806
Byington, Jared. Jan. 15, 1796. Dec.	Buck, R. May 29, 1806. June
23, 1796. Jan. 12, 1818.	23, 1307
Bedwell, Thomas. April 20, 1796.	Brown, Levi. May 30 ib.
Backus, Elijah. May 31, 1796.	Bedford, John. July 16 ib.
Brunel, Marc Isambard. Nov. 16, 1796.	
April 27, 1798. January 17, 1799.	The second secon
Bourke, Theobald. Nov. 16, 1796.	Button, Richard. Feb. 11 ib.
Bigelow, John. Nov. 19, 1796.	Buffum, Arnold. Feb. 21 ib.
Booker, William. March 11, 1797.	Burtis, Barent and Gersham.
Betts, Silas March 18, 1797.	Feb. 27 ib.
Briggs, Nathaniel. March 28, 1797.	Bigelow, E. April 1, 1807. Jan.
June 17, 1809. October 13, 1813.	29, 1817.
Burt, Walter June 23, 1797.	Beatty, T. April 25, 1807. Oct. 5,
Bruff, Thomas. July 1, 1797. Jan. 8,	1818.
1798. Sept. 14, 1801. July 24, 1807.	Bevit, Enoch. June 23 ib.
Oct. 5, 1808. June 4, 1813.	Beach, C. June 26, 1807. Nov.
Blydenburg, Samuel. March 22, 1798.	20, 1809.
Sept. 12, 1810.	
Brewster, Walter. June 7, 1798.	Blake, Anson. Nov. 27 ib.
Banks, William. Dec. 14, 1798.	Bernard, Benjamin B. Nov. 30 ib.
Bolitho, Ben. Feb. 7 1800	Boucherie, Antoine. Jan. 8, 1808
Brown, Jer. May 14 ib.	Jan. 30, 1809. Jan. 31, 1809
Butler, Frederick. Aug. 22 ib.	Barnum, Eli. Jan. 9 ib.
Brookfield, Aaron. Oct. 24 ib.	Bent, Wm. Feb. 24, 1308. Sept.
Bedwell, Thomas, and Ben. Henfrey.	9, 1813.
Feb. 12 1801	Barnum, Eli, and B. Brooks, March
Baker, I. May 8, 1805. Feb. 20, 1802	21, 1808. July 13, 1808.
Briggs, Samuel, jun. Oct, 24 ib.	Barnet, Oliver, jun. March 23 ib.
Bell, Wm. and J. S. De Montmollin.	Bailey, John, jun. May 14 ib.
April 7, 1802. Ditto. Mar. 7, 1803.	Barber, Sam. and N. U. Thompkins.
Betts, Hezekiuh. May 3, 1802. Ditto.	~
	June 1 1b.
Sept. 13, 1803. Aug. 29, 1804.	Burt, David. June 22 ib.
Boureau, Nicholas. August 30, 1802.	Brewster, A. July 11, 1808. July
Aug. 21, 1804.	15, 1813.
Bartlett, Elisha Olive Otis and George.	Bolton, John. Aug. 2 ib:
February 17, 1803	Barker, Wm. Aug. 26, 1808. Aug.
Bent, Silas: March 7 ib.	12, 1815. Nov. 10, 1818.
Brewer, Daniel. April 22 / ib.	Bishop, G. Sept. 7, 1808. April
Beebe, Eliphalet. April 27 ib.	17, 1809.
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Thayer, Amos. June 9 1801. July	Tuder, Frederick. Dec. 17 ib.
7 1817. May 1 1818.	Thompson, Sam. March 2 181
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Todd, Isaac. See Augustus Day.	Tousley, Sylvanus. May 28 1813.
Turner, Jedediah T. Oct. 19 1803	Feb. 7 1815.
Thornton, Wm. Oct. 28 1803. Dec.	Thrall, Luke K. November 10 ib.
13 1807. Jan. 16; Sept. 7 1809.	Talmage, Ezra. April 9 1814
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Tunetall Way Tong 20 1004	July 8 1816. Sept. 12 1816. April
Tunstall, Wm. June 30 1804	, 26 1817. Aug. 27 1818. Jan.
Thomas, John James. Oct. 2 ib.	10 1820.
Taylor, Aaron. October 4 ib.	Todd, Alpheus. April 18:
Tomlinson, Daniel. May 27 1805	Tuly, Joseph. May 17 ib.
May 20 1812	Tousley, R. and J. Swan. Nov. 9 ib.
Taylor, John G. November IS ib.	Tomlinson, Peter. March 7 ib
Tatterson, James. Nov. 27 ib.	Tanner, H. S. July 1 ib.
Thompson, Cephas. Feb. 5 1806	Tisdale, Ephraim. July 17 1815.
Tripe, Richard. April 1 ib.	July 31 1818.
Tullock, Wm. October 28 ib.	Tiffany, Wm and P. Allen. July 17 ib
Tobey, Cornelius. May 7 1807	Tabb, George. Feb. 23 1816
Townsend, Wm. W. March 22	Tatham, Wm. April 18 ib.
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Tallman, Jedediah. March 31 ib.	Talbot, Sylvester W. May 4 ib.
Trescot, Enos. July II ib.	Thorp and Shepard. Oct. 14 ib.
Townsend, Erastus. July 12 ib.	Thacher, David. Oct. 24 ib.
Tuller, Martin. July 29 ib.	Tucker, James. Dec. 13 ib.
Templeman, John. Aug. I6 1807.	Tyler, B. and J. Feb. 1 1817
March 16 1809.	Troost, Gerret. March 3 ib.
Tucker, Septimus. January 12 1809	Thomas, Ben. March 20 ib.
Truman, James. June 24 1809.	Tilton, Thos. P. May 6 ib.
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Toppan Euch C. Feb 19	
Toppan, Enoch C. Feb. 12 ib.	- restriction of the first of t
Thorne, Richard V. W. and John.	
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Tuthill, Abram. Gulielmus Dominy.	Tice, A. and I. Aug. 21 ib.
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Tobey, Augustus. June 21 1810	Taylor, Asa. Oct. 9 ib.
Teale, John C. Sept. 11 ib.	Tucker, John. Nov. 10 ib.
Tibballs, Sam. jun. Dec. 26 ib.	Town, Ithiel. January 28 1820
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Upham, Pliny. January 6 1809.	Updike, Daniel. Feb. 19 1818
March 2I 181I.	Ulman, M. and M. Isaacs. March 17 ib.
Underwood, Wm. Sept. 6 1810	Usher, Sophia. September II ib.
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Vinton, Seth. November 18 1807	Vanini, Joseph. Dec. 4 ib.
	Vorjon, Bernard E. April 26 1816
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Van Voorhis, Dan. March 21 1811	
Vernon, John. October 21 ib.	Valentine, George T. Aug. 26 ib.
Van Houton, Rulef C. March 28 1812	Veales, Louis. October 29 ib.
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Williams, J. jun. March 13 1793	Willard, Simon, jun. Apr. 25 1807.
Whitney, Eli. March 14 1794	Nov. 30; Dec. 1 1807.
Wynkoop, B. Sept. 13 1794. June	Weaver, Abram. April 23 ib.
19 1795. June 26 1797.	Webb, Orange. October 14 ib.
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Wheaton, Caleb. March 29 1797	Willard, Simon B. May 18; Nov.
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Wild, Ezra. June 26 1799. Sept.	Williams, Michael. Feb. 24. 1809
17 1800. May 16 1804.	Wheeler, Ben. April 17 1808.
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6 1802.	
	Worthington, David. April 27 ib.
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I 1802. June 18 1810.	July 27 1811.
Weems, Richard. March 16 1801.	Walworth, Jos. Oct. 17; Nov. 22 ib.
Sept. 20 1804.	Williamson, Peregrine. Nov. 22,
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Warrell, Jacob. March 17 ib.	Wadsworth, John. Feb. 10 ib.
Wallcot, Ben. S. Sept. 4 ib.	Wright, Abel. March 7 ib.
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White, Jos. Nov. 27 1804. Mar.	Winter, Elisha. Sept. 4 ib.
14 1810. Jan. 11; May 15 1812.	Willard, Elias. October 8 ib.
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Feb. 8 1819.	Watkins, Horatio. March 18 ib.
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Warner, Thos. May 11 ib.	Whiting, Preston. June 11 ib.
Wood, James June 13 ib.	Whitehead John Aug. 20 ib.
Whitmell, Thes. Sept. 2 ib. Warner, Erastus. Sept. 12 ib.	Whitehead, John. Aug. 30 1b. Williams, Charles. Ján. 18 1820
Ware, Jacob. Sept. 20 ib.	
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	Zorger, Michael. April 2 1812
4 1796. May 10 1805.	Zuisler, James. July 1 1814

MODE OF APPLYING FOR A PATENT.

Every inventor before he presents his petition to the Secretary of State, signifying his desire of obtaining a patent, shall pay into the treasury of the United States thirty dollars, for which he shall be furnished with duplicate receipts, one of which he shall deliver to the Secretary of State, when he presents his petition; and the money thus paid shall be in full for the sundry services to be performed in the office of the Secretary of State, consequent to such petition. This petition must be addressed to the Secretary of State, and may be in the following, or in a similar style:

-SECRETARY OF STATE OF THE TO THE HON .-UNITED STATES:

-, in the county of, and State The Petition of A. B. of of _____ respectfully represents:

That your petitioner has invented a new and useful improvement [" or art, machine, manufacture or composition of matter, or any new and useful improvement in any art, machine, manufacture, or composition of matter] in not known or used before his application," the advantages of which he is desirous of securing to himself and his legal representatives, he therefore prays that letters Patent of the United States may be issued, granting unto your petitioner, his heirs, administrators or assigns, the full and exclusive right of making, constructing, using and vending to others to be used, his said improvement, (art, invention, machine, manufacture or composition of matter, &c.) agreeably to the act of Congress in such case made and provided; your petitioner having paid thirty dollars into the treasury of the United States, and complied with other provisions of the said acts.

The specification or description of the machine, art, discovery, or invention, must be given in clear and specific terms, designating it from all other inventions, and describing the whole in such a manner, as to comprehend not only the form and construction, (if a machine) but also the mode of using the same; and if it be only an improvement on a certain machine already invented by the applicant or any other, it ought to be so mentioned or described; and as this specification, description or schedule, enters into, and forms part of the patent, it must be without any references to a model or drawing, and must be signed by the applicant or applicants, before two witnesses. It is material that this be in good language, and correctly written, as it is transcribed into the patent, and the original papers will be deposited in an office, that will hand them down to posterity; by which the honour of the country is concerned in this attention. The modest inventor will no doubt, exclude those panegyrics on the excellence of his invention or discovery, which abound sometimes in the productions of the inferior genius, but which ought not to enter into the patent.

The following, or a similar oath or affirmation, taken [before a judge of any of the courts, or a justice of the peace, or any person qualified to administer an oath] by the applicant or applicants, must be subjoined to the specification, if

citizens of the United States.

FORM.

Peace, in and for the said county, personally appeared the aforenamed A. B. and made solemn oath [or affirmation] according to law, that he verily believes himself to be the true and original inventor or discoverer of the art, [machine, invention, or improvement, composition of matter, &c.] above specified and - (mention here the object or intention) described, for and that he is a citizen of the United States. Just. Peace

If not a citizen (or citizens) the following addition must be made to the declaration, "that he verily believes himself to be the true and original inventor or discoverer of the art, &c. And that the same hath not, to the best of his or " her knowledge, or belief, been known or used, either in this or any foreign country

" Also, that he (or she) hath resided in the United States for two years and upwards."

It is not necessary that the time of residence should immediately precede

the application.

If any inventor or discoverer should die intestate before an application be made for a patent, his legal representatives may apply for the patent, in trust

for the heirs at law; otherwise in trust for the devisees.

The specification must be accompanied by a good drawing, in perspective, of the whole machine or apparatus, "where the nature of the case admits of drawings, or with specimens of the ingredients, and of the composition of matter, sufficient in quantity for the purpose of experiment, where the invention is of a composition of matter." "and such inventor shall, moreover, deliver a model of his machine, provided the Secretary shall deem such model to be necessary." It is requisite, in giving a drawing of the machine, to give also sectional drawings of the interior, when the machine is complex; and every drawing should be accompanied with explanatory references. If the machine be complex, a model will likewise be necessary, not only to explain and render it comprehensible to a common capacity, but also to prevent intringements of rights; for many will plead ignorance of drawings, who cannot avoid conviction by wheels and pinions.

The drawings ought not to exceed a quarto size, and if confined to octavo, they would be still better, where it can be done conveniently and distinctly.

An Act for the Encouragement of Learning, by securing the Copies of Maps, Charts and Books, to the Authors and Proprietors of such

Copies, during the times therein mentioned."

SECT. 1. Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, 'That from and after the passing of this act, the author and authors of any map, chart, book or books already printed within these United States, being a citizen or citizens thereof, or resident within the same, his or their executors, administrators or assigns, who hath or have not transferred to any other person the copy-right of such map, chart, book or books, share or shares thereof; and any other person or persons, being a citizen or citizens of these United States, or residents therein, his or their executors, administrators or assigns, who hath or have purchased or legally acquired the copy-right of any such map, chart, book or books, in order to print, reprint, publish or vend the same, shall have the sole right and liberty of printing, reprinting, publishing and vending such map, chart, book or books, for the term of fourteen years from the recording the title thereof in the clerk's office, as is hereafter directed : And that the author and anthors of any map, chart, book or books already made and composed, and not printed or published, or that shall hereafter be made and composed, being a citizen or citizens of these United States, or resident therein, and his or their executors, administrators or assigns, shall have the sole right and liberty of printing, reprinting, publishing and vending such map, chart, book or books, for the like term of fourteen years from the time of recording the title thereof in the clerk's office as aforesaid. And if, at the expiration of said term, the author or authors, or any of them, be living, and a citizen or citizens of these United States, or resident therein, the same exclusive right shall be continued to him or them, his or their executors, administrators or assigns, for the further term of fourteen years: Provided, he or they shall cause the title thereof to be a second time recorded and published in the same manner as is herein after directed, and that within six months before the expiration of the first term of fourteen years aforesaid.

Sarr. 2. And be it further enacted, That if any other person or persons, from and after the recording the title of any map, chart, book or books, and publishing the same as aforesaid, and within the times limited and granted by this act, shall print, reprint, publish or import, or cause to be printed, reprinted, published, or imported from any foreign kingdom or state, any copy or copies of such map, chart, book or books, without the consent of the author or proprietor thereof, first had and obtained in writing, signed in the presence of two or more creditable witnesses; or knowing the same to be so printed, reprinted, or imported, shall publish, sell or expose to sale, or cause to be published, sold,

or exposed to sale, any copy of such map, chart, book or books, without such consent first had and obtained in writing as aforesaid, then such offender or offenders shall forfeit all and every copy and copies of such map, chart, book or books, and all and every sheet and sheets, being part of the same, or either of them, to the author or proprietor of such map, chart, book or books, who shall forthwith destroy the same: And every such offender or offenders shall also forfeit and pay the sum of firty cents for every sheet which shall be found in his or their possession, either printed or printing, published, imported or exposed to sale, contrary to the true intent and meaning of this act, the one moiety thereof to the author or proprietor of such map, chart, book or books, who shall sue for the same, and the other moiety thereof, to and for the use of the United States, to be recovered by action of debt in any court of record in the United States, wherein the same is cognizable. *Provided always*, That such action be commenced within one year after the cause of action shall arise, and not afterwards.

SECT. 3. And be it further enacted, That no person shall be entitled to the benefit of this act, in cases where any map, chart, book or books, hath or have been already printed or published, unless he shall first deposit, and in all other cases, unless he shall before publication deposit a printed copy of the title of such map, chart, book or books, in the clerks office of the district court where the author or proprietor shall reside: And the clerk of such court is hereby directed and required to record the same forewith, in a book to be kept by him for that purpose, in the words following, (giving a copy thereof to the said author or proprietor, under the seal of the court, if he shall require the same.)

"District of to wit: Be it remembered, That on the

day of 'in the year of the independence of the United States of America, A. B. of the said district, hath deposited in this office the title of a map, chart, book or books. (as the case may be) the right whereof he claims as author or proprietor, (as the case may be) in the words following, to wit: [here insert the title] in conformity to the act of the Congress of the United States, intituled, "An act for the encouragement of learning, by securing the copies of maps, charts, and books, to the authors and proprietors of such copies, during the times therein mentioned." C. D. clerk of the district of

." For which the said clerk shall be entitled to receive sixty cents from the said author or proprietor, and sixty cents for every copy under seal actually given to such author or proprietor as aforesaid. And such author or proprietor shall, within two months from the date thereof, cause a copy of the said record to be published in one or more of the newspapers printed in the United States,

for the space of four weeks.

SECT. 4. And be it further enacted, That the author or proprietor of any such map, chart, book or books, shall, within six months after the publishing thereof, deliver, or cause to be delivered to the Secretary of State a copy of the same, to

be preserved in his office.

SECT. 5. And be it further enacted, That nothing in this act shall be construed to extend to prohibit the importation or vending, reprinting or publishing within the United States, of any map, chart, book or books, written, printed, or published by any person not a citizen of the United States, in foreign parts or places

without the jurisdiction of the United States.

SECT. 6. And be it further enacted, That any person or persons who shall print or publish any manuscript, without the consent and approbation of the author or proprietor thereof, first had and obtained as aforesaid, (if such author or proprietor be a citizen of, or resident in these United States,) shall be liable to suffer and pay to the said author or proprietor all damages occasioned by such injury, to be recovered by a special action on the case founded upon this act, in any court having cognizance thereof.

SECT. 7. And be it further enacted, That any person or persons shall be sued or prosecuted for any matter, act, or thing done under or by virtue of this act, he or they may plead the general issue, and give the special matter in evidence.

FREDERICK AUGUSTUS MUHLENBERG, Speaker of the House of Representatives. JOHN ADAMS,

Vice-President of the United States, 1790. - and President of the Senate. GEO. WASHINGTON, President of the United States,

Approved-May 31, 1790.

An ACT to promote the Progress of useful Anis; and to repeal the Act heretofore made for that purpose.

Be it enacted by the Senate and House of Representatives of the United States of America, in Congress assembled, That when any person or persons being a citizen or citizens of the United States, shall alledge that he or they have invented any new and useful art, machine, manufacture, or composition of matter, or any new and useful improvement on any art, machine, manufacture or composition of matter, not known or used before the application, and shall present a petition to the Secretary of State, signifying a desire of obtaining an exclusive property in the same, and praying that a patent may be granted therefor, it shall and may be lawful for the said Secretary of State, to cause letters patent to be made on tin the name of the United States, bearing test by the President of the United States, reciting the allegations and suggestions of the said petition, and giving a short description of the said invention or discovery, and thereupon granting to such petitioner or petitioners, his, her or their heirs, administrators or assigns, for a term not exceeding fourteen years, the full and exclusive right and liberty of making, constructing, using and vending to others to be used, the said invention or discovery, which letters patent shall be delivered to the Attorney General of the United States, to be examined; who, within fifteen days after such delivery, if he finds the same conformable to this act, shall certify accordingly at the foot thereof, and return the same to the Secretary of State, who shall present the letters Patent thus certified, to be signed, and shall cause the seal of the United States to be thereto affixed; and the same shall be good and available to the grantee or grantees, by force of this act, and shall be recorded in a book, to be kept for that purpose, in the office of the Secretary of State, and delivered to the patentee, or his order.

SECT. 2. Provided always, and be it further enacted, That any person, who shall have discovered an improvement in the principle of any machine, or in the process of any composition of matter, which shall have been patented, and shall have obtained a patent for such improvement, he shall not be at liberty to make, use or vend the original discovery, nor shall the first inventor be at liberty to use the improvement: and it is hereby enacted and declared, that simply changing the form or proportions of any machine, or composition of matter, in any

degree, shall not be deemed a discovery.

And be it further enacted, That every inventor, before he can receive a patent, shall swear or affirm, that he does verily believe, that he is the true inventor or discoverer of the art, machine, or improvement, for which he solicits a patent, which oath or affirmation may be made before any person authorized to administer oaths, and shall deliver a written description of his invention, and of the manner of using, or process of compounding the same, in such full, clear and exact terms, as to distinguish the same from all other things before known, and to enable any person skilled in the art or science, of which it is a branch, or with which it is most nearly connected, to make, compound, and use the same. And in the case of any machine, he shall fully explain the principle, and the several modes, in which he has contemplated the application of that principle or character, by which it may be distinguished from other inventions; and he shall accompany the whole with drawings and written references where the nature of the case admits of drawings, or with specimens of the ingredients, and of the composition of matter, sufficient in quantity for the purpose of experiment, where the invention is of a composition of matter; which discriptions signed by himself, and attested by two witnesses, shall be filed in the office of the Secretary of State, and certified copies thereof shall be competent evidence, in all courts, where any matter or thing, touching such patentright, shall come in question. And such inventor shall moreover, deliver a model of his machine, provided the Secretary shall deem such model to be necessary.

Secr. 4. And he it further enacted, That it shall be lawful for any inventor, his executor or administrator, to assign the title and interest in the said invention, at any time, and the assignee having recor ed the said assignment, in the office of the Secretary of State, shall thereafter stand in the place of the original inventor, both as to right and responsibility, and so the assignees or

assigns, to any degree.

Sacr. 5. And be it further enacted, That if any person shall make, devise and

use, or sell the thing so invented, the exclusive right of which shall as aforesaid, have been secured to any person by patent, without the consent of the patentee, his executors, administrators or assigns, first obtained in writing, every person, so offending, shall forfeit to pay the patentee, a sum that shall be at least equal to three times the price, for which the patentee has usually sold or licenced to other persons, the use of the said invention; which may be recovered in an action on the case founded on this act, in the circuit court of the United States,

or any other court having competent jurisdiction.

SECT. 6. Provided always and be it further enacted, That the defendant in such action shall be permitted to plead the general issue, and give this act and any special matter, of which notice in writing may have been given to the plaintiff or his attorney, thirty days before trial, in evidence, tending to prove, that the specification filed by the plaintiff, does not contain the whole truth relative to his discovery, or that it contains more than is necessary to produce the described effect, which concealment or addition shall fully appear to have been made, for the purpose of deceiving the public, or that the thing, thus secured by patent was not originally discovered by the patentee, but had been in use, or had been described in some public work, anterior to the supposed discovery of the patentee, or that he had surreptitionsly obtained a patent for the discovery of another person: in either of which cases, judgment shall be rendered for the defendant, with costs, and the patent shall be declared void.

SECT. 7. And be it further enacted, That where any state before its adoption of the present form of government, shall have granted an exclusive right to any invention, the party claiming that right, shall not be capable of obtaining an exclusive right under this act, but on relinquishing his right under such particular state, and of such relinquishment, his obtaining an exclusive right under this

act shall be sufficient evidence.

SECT. 8. And beit further enacted, That the persons, whose applications for patents, were, at the time passing of this act, depending before the Secretary of State, Secretary at War, and Attorney General, according to the act, passed the second session of the first Congress, intitled, "An act to promote the progress of useful arts," on complying with the conditions of this act, and paying the fees herein required, may pursue their respective claims to a patent under the same.

SECT. 9. And be it further enacted, That in case of interfering applications the same shall be submitted to the arbitration of three persons, one of whom shall be chosen by each of the applicants, and the third-person shall be appointed by the Secretary of State,; and the desision or award of such arbitrators, delivered to the Secretary of State, in writing and subscribed by them, or any two of them shall be final, as far as respects the granting of the patent: And if either of the applicants shall refuse or fail to choose an arbitrator, the patent shall issue to the opposite party. And where there shall be more than two interfering applications, and the parties applying shall not all unite in appointing three arbitrators, it shall be in the power of the Secretary of State to appoint three

arbitrators for the purpose.

SECT. 10. And be it further enacted, That upon oath or affirmation being made, before the judge of the district court, where the patentee, his executors, administrators or his assigns reside, that any patent which shall be issued in pursuance of this act, was obtained surreptitiously, or upon false suggestion, and motion made to the said court, within three years after issuing the said patent, but not afterwards, it shall and may be lawful for the judge of the said district court, if the matter alledged shall appear to him to be sufficient, to grant a rule, that the patentee, or his executor, administrator or assign, shew cause why process should not issue against him to repeal such patent. And if sufficient cause shall not be shown to the contrary, the rule shall be made absolute, and thereupon the said judge shall order process to be issued against such patentee, or his executors, administrators or assigns, with costs of suit. And in case, no sufficient cause shall be shown to the contrary, or if it shall appear, that the patentee was not the true inventor or discoverer, judgment shall be rendered by such court for repeal of such patent; and if the party, at whose complaint the process issued, shall have judgment given against him, he shall pay all such costs, as the defendant shall be put to, in defending the suit, to be taxed by the court, and recovered in due course of law.

SECT. 11. And be it further enacted, That every inventor, before he presents his petition to the Secretary of State, signifying his desire of obtaining a patent, shall pay into the Treasury thirty dollars, for which he shall take duplicate receipts; one of which receipts he shall deliver to the Secretary of State, when he presents his petition; and the money, thus paid, shall be in full for the sundry services, to be performed in the office of the Secretary of State, consequent on such petition, and shall pass to the account of clerk-hire in that office. Provided nevertheless, That for every copy which may be required at the said office, of any paper respecting any patent, that has been granted, the person obtaining such copy, shall pay at the rate of twenty cents, for every copy-sheet of one hundred words, and for every copy of a drawing, the party obtaining the same, shall pay two dollars: of which payments, an account shall be rendered, annually to the treasury of the United States, and they shall also pass to the account of clerk-hire in the office of the Secretary of State.

SECT. 12. And be it further enacted, That the act passed the tenth day of April, in the year one thousand seven hundred and ninety, intitled, "An act to promote the progress of useful arts," be, and the same is hereby repealed. Provided always, That nothing, contained in this act, shall be construed to invalidate any patent, that may have been granted under the authority of said act; and all patentees under said act, their executors, administrators or assigns, shall be considered within the purview of this act, in respect of the violation of their rights, Provided, such violations shall be committed, after the passing of this act.

JONATHAN TRUMBULL,
Speaker of the House of Representatives.
JOHN ADAMS,
Vice-President of the United States, and
President of the Senate.

Approved,—February 21, 1793:
GEORGE WASHINGTON, President of the United States.

veries and inventions, to certain persons therein mentioned, and to enlarge and define the penalties for violating the rights of Patentees.

Sect. 1. Be it enacted by the Senate and House of Representatives of the United States of America, in Congress assembled, That all and singular the rights and privileges given, intended or provided to citizens of the United States, respecting Patents for new inventions, discoveries, and improvements, by the act, intituled "An act to promote the progress of useful arts, and to repeal the act heretofore made for that purpose," shall be, and hereby are extended and given to all aliens, who at the time of petitioning in the manner prescribed by the said act, shall have resided for two years within the United States, which privileges shall be obtained, used, and enjoyed, by such persons, in as full and ample manner, and under the same conditions, limitations, and restrictions, as by the said act is provided and directed in case of citizens of the United States. Provided always, That every person petitioning for a Patent for any invention, art or discovery, pursuant to this act, shall make oath or affirmation before some person duly authorized to administer oaths, before such Patent can be granted, that such invention, art or discovery hath not, to the best of his or her knowledge or belief, been known or used either in this or any foreign country; and that every Patent which shall be obtained pursuant to this act, for any invention, art or discovery, which it shall afterwards appear had been known or used previous to such application for a Patent, shall be utterly void.

previous to such application for a Patent, shall be utterly void.

Sect. 2. And be it further enacted, That where any person hath made, or shall have made, any new invention, discovery or improvement, on account of which a Patent might, by virtue of this or the abovementioned act, be granted to such person, and shall die before any Patent shall be granted therefor, the right of applying for and obtaining such Patent, shall devolve on the legal representatives, of such person in trust for the heirs at law of the deceased, in case he shall have died intestate; but if otherwise, then in trust for his devisees, in as full and ample manner, and under, the same conditions, limitations and restrictions, as the same was held or might have been claimed or enjoyed by such person, in his

or her life time; and when application for a Patent shall be made by such legal representatives, the oath or affirmation provided in the third section of the be

torementioned act, shall be so varied as to be applicable to them.

SECT. 3. And be it further enacted, That where any Patent shall be, or shall have been granted pursuant to this or the abovementioned act, and any person without the consent of the Patentee, his or her executors, administrators or assigns first obtained in writing, shall make, devise, use, or sell the thing whereof the exclusive right is secured to the said Patentee by such Patent, such person so offending shall forfeit and pay to the said Patentee, his executors, administrators or assigns, a sum equal to three times the actual damage sustained by such Patentee, his executors, administrators, or assigns, from or by reason of such offence, which sum shall and may be recovered, by action on the case founded on this and the abovementioned act, in the circuit court of the United States, having jurisdiction thereof.

Sher. 4. And be it further enacted, That the fifth section of the abovementioned act, intituled "An act to promote the progress of useful arts, and to repeal the act heretofore made for that purpose," shall be and hereby is repealed.

THEODORE SEDGWICK,
Speaker of the House of Representatives.
THOS. JEFFERSON,
Vice President of the United States, and
President of the Senate.

Approved—April 17th, A. D. 1800 JOHN ADAMS, President of the United States.

An ACT supplementary to an Act, entitled "An Act for the encouragement of Learning, by securing the Copies of Maps, Charts, and Books, to the authors or proprietors of such copies, during the time therein mentioned," and extending the benefits thereof to the arts of designing, engraving, and etching, historical and other prints SECT. 1. Be it enacted by the Senate and House of Representatives of the United. States of America in Congress assembled, That every person who shall, from and after the first day of January next, claim to be the author or proprietor of any maps, charts, book or books, and shall thereafter seek to obtain a copy-right of the same, agreeable to the rules prescribed by law, before he shall be entitled to the benefit of the act, entitled " An Act for the encouragement of learning, by securing the copies of maps, charts, and books, to the authors and proprietors of such copies during the time therein mentioned," he shall, in addition to the requisites enjoined in the third and fourth sections of said act, if a book or books, give information, by causing the copy of the record which, by said act, he is required to publish in one or more of the newspapers, to be inserted at full length in the title page, or in the page immediately following the title, of every such book or books; and if a map or chart, shall cause the following words to be impressed on the face thereof, viz .- " Entered according to Act of - 18—— [here insert the date when the same Congress, the - dav of was deposited in the office] by A. B. of the state of -- [here insert the author's or proprietor's name, and the state in which he resides.]

SECT. 2. And beit further enacted, That from and after the first day of January next, every person, being a citizen of the United States, or resident within the same, who shall invent and design, engrave, etch or work, or, from his own works and inventions, shall cause to be designed and engraved, etched or worked, any historical or other print or prints, shall have the sole right and liberty of printing, reprinting, publishing and vending, such print or prints, for the term of fourteen years, from the recording the title thereof in the clerk's office, as prescribed by law for maps, charts, book or books: Provided, he shall perform all the requisites in relation to such print or prints, as are directed in relation to maps, charts, book or books, in the third and fourth sections of the act to which this is a supplement, and shall, moreover, cause the same entry to be truly engraved on such plate, with the name of the proprietor, and printed on every such print or prints, as hereinbefore required to be made on maps or

charts.

Secr. 3. And he it further enacted, That if any printseller, onother person what-

soever, from and after the said first day of January next, within the time limited by this act, shall engrave, etch or work, as aforesaid, or in any other manner copy or sell, or cause to be engraved, etched, copied, or sold, in the whole or in part, by varying, adding to, or diminishing from, the main design, or shall print. reprint, or import for sale, or cause to be printed, reprinted, or imported for sale, any such print or prints, or any parts thereof, without the consent of the proprietor or proprietors thereof, first had and obtained, in writing, signed by him or them respectively, in the presence of two or more creditable witnesses: or, knowing the same to be so printed or reprinted, without the consent of the proprietor or proprietors, shall publish, sell or expose to sale, or otherwise, or in any other manner, dispose of any such print or prints, without such consent first had and obtained, as aforesaid, then such offender or offenders shall forfeit the plate or plates on which such print or prints are or shall be copied, and all and every sheet or sheets (being part of, or whereon, such print or prints are or shall be copied or printed) to the proprietor or proprietors of such original print or prints, who shall forthwith destroy the same: and further, that every such offender or offenders shall forfeit one dollar for every print which shall be found in his, her, or their custody, either printed, published, or exposed to sale, or otherwise disposed of, contrary to the true intent and meaning of this act; the one moiety thereof to any person who shall sue for the same, and the other moiety thereof to and for the use of the United States, to be recovered in any court having competent jurisdiction thereof.

SECT. 4. And be it further enacted, That if any person or persons, from and after the passing of this act, shall print or publish any map, chart, book or books, print or prints, who have not legally acquired the copy-right of such map, chart, book or books, print or prints, and shall, contrary to the true intent and meaning of this act, insert therein, or impress thereon, that the same has been entered according to act of Congress, or words purporting the same, or purporting that the copy-right thereof has been acquired; every person so offending, shall forfeit and pay the sum of one hundred dollars, one moiety thereof to the person who shall sue for the same, and the other moiety thereof to and for the use of the United States, to be recovered by action of debt, in any court of record in the United States having cognizance thereof: Provided always, That in every case for forfeitures hereinbefore given, the action being commenced within

two years from the time the cause of action ma have arisen.

[Approved, April 29, 1802.]

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